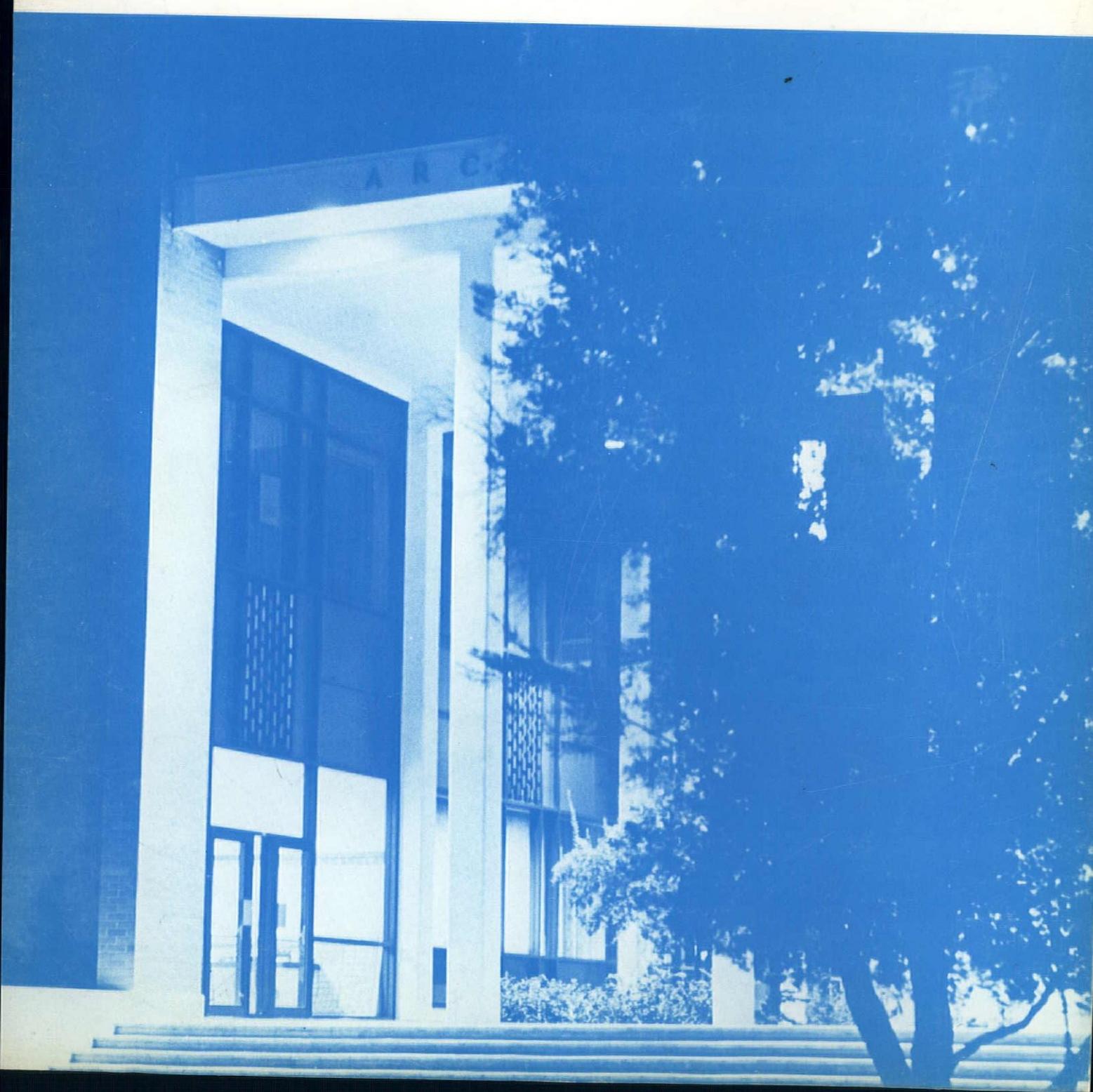


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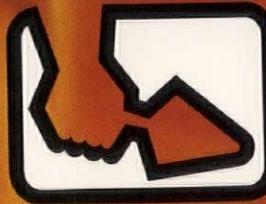
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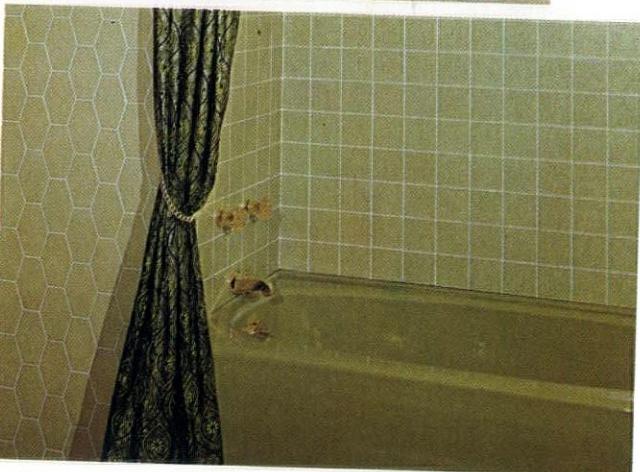
Above -
Travelodge in Portland, Oregon
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Industry Welcomes New Organization!



Robert (Sandy) Sandoval

The Colorado architecture/engineering/construction community greeted a new member in May when with appropriate ruffles and flourishes the Colorado Masonry Institute joined the group. Spearheaded by personable Robert C. (Sandy) Sandoval, sales manager for Robinson Brick and Tile Company, the Institute is launching an all-out program designed to bring the safety, economy and other advantages of masonry products to the attention on the specifying factors in the industry.

Funding of this effort comes from a number of sources . . . particularly unique is the contract agreement with the Bricklayers and Stone Masons Union No. 1 to contribute 10 cents an hour through payroll deductions by its members in Denver and five surrounding counties. Other main sectors are the Colorado Mason Contractors Association, Colorado Concrete Masonry Association, the Structural Clay Products Institute and individual brick, tile, stone, clay and concrete block manufacturers.

In addition to President "Sandy" Sandoval, other CMI officers are: Vice President George W. Wise, Chairman

of the Union's arbitration board and apprentice committee; Treasurer David S. Wilson, business agent for the union and Secretary Jack Bailey, mason contractor. The Board of Directors includes Floyd Hughes, union president; Harold Gale and Dick Rudden, union members; Gage Behunin and Steve Dach, mason contractors; Don Shepard of Denver Brick and Pipe Company, and Rudy Utiger, Clalite Concrete Products, Inc.

To provide both internal and external communication, there is a new newsletter . . . the CMI News, with "old hand," Harry Walker holding the blue pencil. So the Good Ship CMI has come smoothly down the ways and put to sea with a host of friends cheering her on . . . Bon Voyage, CMI!

LANDSCAPE ARCHITECTS SEMINAR

"Environment—Hawaii and the World" was the subject of a seminar conducted by the American Institute of Landscape Architects at the Hilton Hawaiian Village, Honolulu, beginning at 1:00 p.m. on Friday, June 18. Peter R. M. Fowler, A.I.L.A., of Honolulu, was the local chairman for the event, and speakers included the following: Dr. Richard E. Marland, Interim Director, Office of Environmental Quality Control, Executive Office of the Governor of Hawaii; Robert Van Dorpe, well known planner throughout the Islands; Mrs. Dorothy Hargreaves, President, The Outdoor Circle, Honolulu; and Stanley Resnicoff, Industrial Designer, who teaches in the College of Education, University of Hawaii.

In addition, top echelon personnel of the American Institute of Landscape Architects were active participants including Mr. Paul M. Saito, International President, Los Angeles, California; Mr. F. J. MacDonald, Executive Vice President, Phoenix, Arizona; International Directors Mr. Mario Z. Oguri of Cuernavaca, Morelos, Mexico, and Mr. Allen L. Keesen of Denver, Colorado; Mr. Reynolds W. Forsum of Dana Point, California, 1972 International Convention Chairman; and Mr. Jack L. Becknell, President of the Los Angeles Chapter.

This timely and informative seminar was open not only to landscape architects but architects and environmentalists as well.



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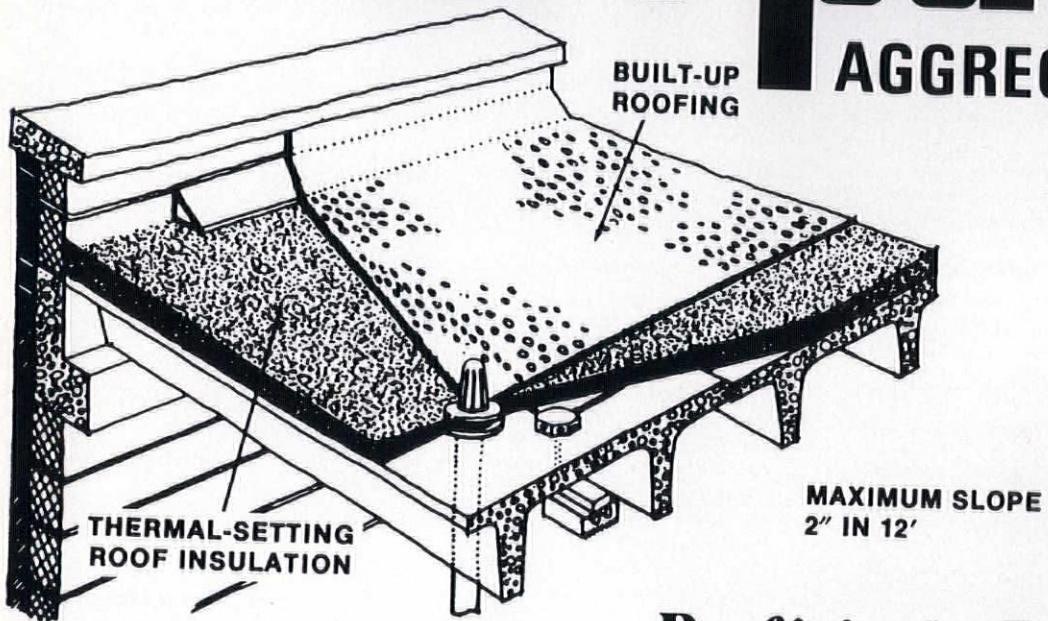
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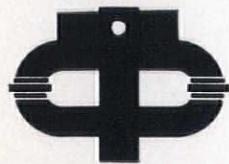


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Heretofore, it has been difficult to design the expressive finishes and patterns which add to a structure's distinctive beauty without expensive, specially fabricated forms. This is all changed with the innovative Scott Systems which make it possible for architects and engineers to have total

freedom in the design of the surface finish of any concrete structure. Weathered barn or bush-hammered fractured fin concrete; intricate sculptured designs or semi-smooth sand finish; wire cut or old brick—the Scott System delivers impeccable reproduction of detail. The designer is assured predictable results which of itself minimizes on-site inspections.

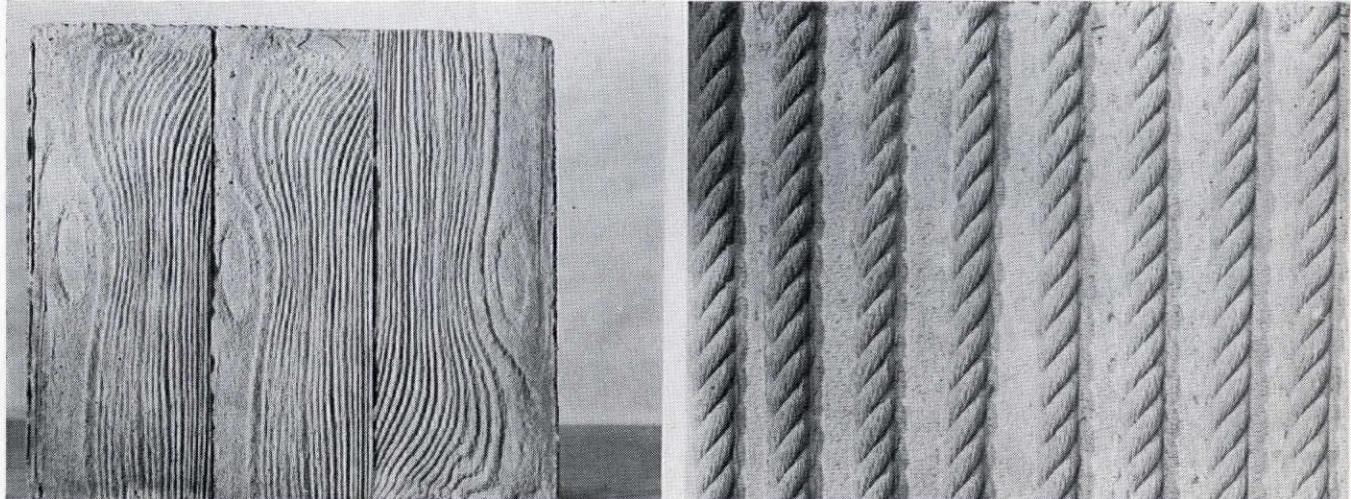
The Scott System works equally well vertically or horizontally. It is beautifully suited for cast-in-place concrete, for factory or on-site pre-cast, tilt up or modular concrete systems. *Scott Flex-Liners® and Red-Flex® are made of chemically inert elastomeric materials which will not stain the concrete or affect it in any way. Formed with the Scott System, the concrete may be easily painted or color may be integrated into the mix

design. Recommended release — "Scott's Form Release."

Some of Sam's suggested ideas for use of the Scott System include — Homes, both custom and mass produced; interior basement walls; interior and exterior walls above grade (exterior walls may be one pattern, interior walls another); retaining walls; industrial and commercial buildings; shopping centers; floor and roof systems, plus, of course, many more. "Actually," says Mr. Scott, "The only limits to the application of the *Flex-Liner® and Red-Flex® are the limits of the designer's or builder's imagination."

For further info and a descriptive brochure on this new concept, contact Styro Materials Company, 2519 Walnut Street, Denver, Colorado 80205.

* Patent Pending





Annual Seminar/Denver Chapter Construction Specifications Institute

THE TIME: Wednesday, May 12

THE PLACE: Applewood Inn

THE PEOPLE: Robert E. Vansant, CSI

Maxwell Saul, FCSI

Thomas Frisby, AGC

Hugh McClearn, Attorney

Although the topic announced was "After Philadelphia Door—What's Next?", it was somewhat late in the evening before this problem was broached by Principal Speaker Vansant and his back-up panel. From what Mr. Vansant did have to say . . . it seems that what everybody thought the U. S. Supreme Court said in its decision, according to two Court of Appeals cases, they didn't say at all. We are, he said, "in the same old morass." Further because of labor's opposition, no legislative answer is remotely possible.

It was a long meeting, and although much of what Engineer/Attorney/Specifications Manager Vansant had to say on the topic of specifications was of great interest to the spec writer (and Symposia has tapes of this if you would like to hear them) in essence, his message was this. "Use a very simple vocabulary. You are not writing a novel, you are writing a specification." By eliminating meaningless words, he said, you can cut the size of your specifications by 20 per cent. Mr. Vansant had a list of

those words on the speaker's table, and when Attorney McClearn looked them over, he commented: "Those are all words I use when I don't know what to say." Panelists all agreed that a universal language is just not possible . . . for instance, architects and engineers have learned "the hard way" that the special meaning of "supervision" in the construction industry is not at all the meaning given the word by a layman serving on a jury.

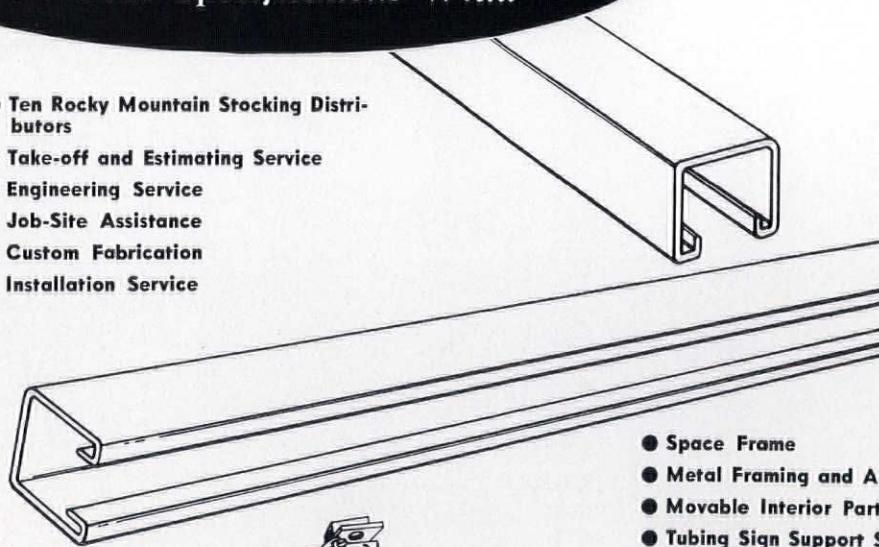
General Contractor Tom Frisby was a most entertaining speaker pointing out that the "hodge podge of disclaimer clauses" in the General Conditions causes warfare between contractor, owner, architect and engineers. It is going to take a good delineation of responsibilities and cooperative effort to demilitarize the construction industry.

Max Saul summarized many of the problems in preparing construction documents by observing dryly—that you write contracts and specs today pretty much like porcupines make love . . . "very carefully." However, each panel member agreed that in cases of third party liability—the extent you are involved rather than contract language will determine your liability.

It would certainly seem that the Denver Chapter has once again done the Industry an outstanding service with the Annual Seminar. A good job!

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THE JURY

Paul Zaik, Portland, Oregon

David McKinley, Jr., Seattle, Washington

William Trogden, Spokane, Washington



HONOR AWARD

Statehouse Branch, Idaho First National Bank
Dropping, Kelley, Hosford and LaMarche—Architects

MERIT AWARD

American Reserve Insurance Building

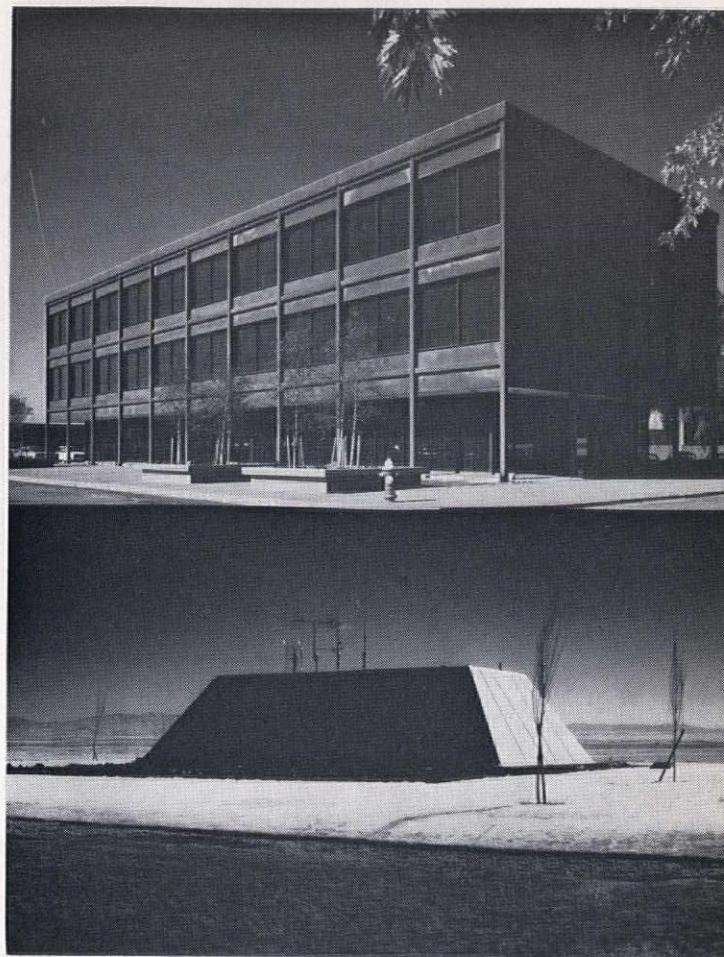
Watson and Leatham—Architects



MERIT AWARD

Chapman S. Root Residence—Sun Valley

Neil M. Wright—Architect



MERIT AWARD

KBOI Transmitter Building

Cline, Smull, Hamill, Shaw and Associates—Architects

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Color It Beautiful!

The Grand Tetons are beckoning to the members of the American Institute of Architects throughout the Western Mountain Region. They are being invited to rediscover the wonders of a world still fresh and free! And who can resist the siren call of five hundred square miles of virtually untouched Grand Teton country and the luxurious accommodations at Jackson Lake Lodge! Why try? Just decide now not to miss this great gathering of the clans. The Conference dates — September 8-11 can only mean perfect weather to enjoy the superb scenery and the host of guest facilities. No matter what your hobby horse, he's hitched at Jackson Lake Lodge. Do you fancy yourself as a double for Arnie Palmer — or Arthur Ashe? It's all there for you at the Golf and Tennis Club. Sunning or splashing is the way to go at the big, heated swimming pool or climb aboard an "ole

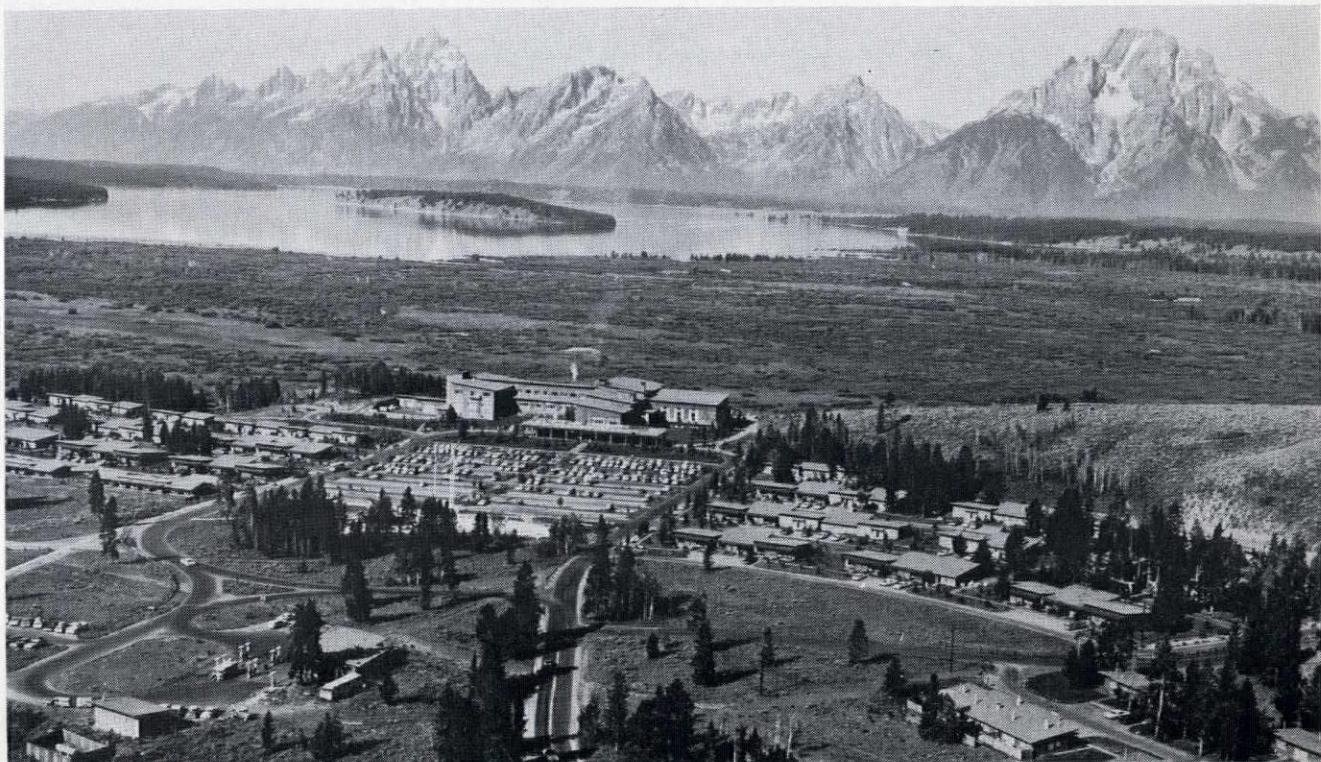
Let's Look at The Light Side...

cayuse" and ride along the wooded trails where wild flowers, birds and animals are found in such profusion. A cruise on Lake Jackson? A float trip on the Snake? Or try the old rod and reel on those wily trout. Jackson Lake Lodge and the Grand Tetons have it all with such a bonus of beauty you'll forget all about those annoying "uglies" back home which put such a strain on your aesthetic senses.

Color It Fun!

In keeping with the great tradition of Wyoming hospitality, the Host Chapter has planned a bundle of goodies for their guests this September. And it all begins on September 8th when Wyoming will welcome one and all at a gala Cocktail party on the Balcony at Jackson Lake Lodge.

The usual (but very unusual) Luncheon for the Ladies is scheduled for noon on Thursday. There will be a Fashion Show — a very unique one — Jerri Greenes' Indian Style Show from the fine private collection belonging to Richard and Jerri Greenes. Thursday evening following the hosted Cocktail Party, everybody will head for the banks of the Snake River for an old-fashioned Steak Fry as only those buckaroos from Wyoming know how to do it! Come noon on Friday, September 10th, Western Mountain Region architects will knock off from the work sessions and choose a favorite fun-time from the many offered. Golf and tennis, of course, as previously advertised. The





18-hole, par-72 championship course has been redesigned by Robert Trent Jones, and the scattered lakes and streams make this an interesting (and challenging) course to play. Electric carts and rental clubs are available. Conference pre-registrants will enjoy a float trip down the Snake River where the world and all its problems are faraway indeed. There is always fine fishing, cruises on Jackson Lake, swimming and the ladies may want to do some shopping in the delightful shops in Jackson. Dinner is planned in Jackson that evening and pre-registrants will enjoy a Theatre party. The "piece de resistance" of the Fun Program comes with the gala awards Banquet on Saturday evening. What a treat we have coming — the speaker chosen for this most auspicious occasion in none other than the talented John, "Himself," McHugh, AIA, of Santa Fe. For a sample of his wit, his wisdom and just a hint of his charm, you need look no further than the pages of this issue of *Symposia* where he is serving as Tour Guide for our 1971 Summer Safari to Greece.

Color It Casual!

Grand Teton is high country, and clothing requirements match the altitude — the attitude is casual and comfortable. Days are warm, and the mountain sun can easily burn the unprepared. So, if you haven't soaked up many rays during the summer, bring sun tan lotion and a sun hat. Boots or sturdy shoes are in order if you plan to do any riding or tramping about the countryside. A word of caution . . . when the sun goes down in the Tetons, the clear, crisp mountain air takes on a certain nip so come prepared with warmer clothing for night time wear. For your special "hobby horse" — golf clubs, tennis rackets, swimming suits, boots . . . etc. And . . . the gentlemen will be happy to know that jackets and neckties are optional!

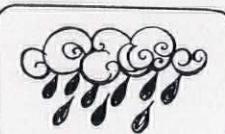
Color It Important!

Yes, the 20th Annual Conference of the Western Mountain Region with its theme . . . "The Future of Architecture" will surely be one of the most significant meetings architects will attend in this — or any — year. Those all important Conference mailings will soon be on your desk, so plan now for Jackson Lake come September."

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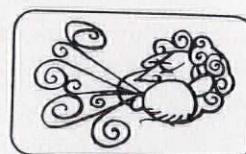
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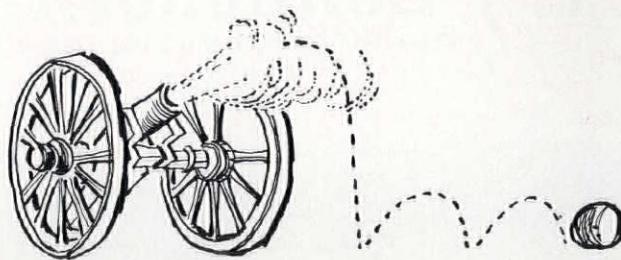
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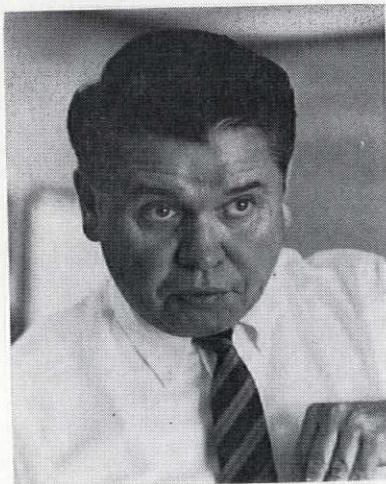
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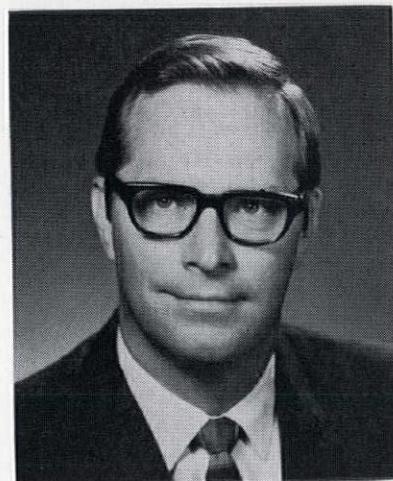


ALBERT ORIN BUMGARDNER, F.A.I.A.
Seattle, Washington

A native son of Illinois, Mr. Bumgardner was a summa cum laude graduate of the University of Illinois in 1949—and almost immediately following this prestigious event, departed for Seattle where he has been ever since. In 1953, he established his own practice and is now the senior member of The Bumgardner Partnership, a general architectural practice with emphasis in all fields of housing and in college-university work on four Washington State campuses. The Bumgardner office has received numerous awards for excellence of design and its work, especially in the residential field, has been widely published.

In 1965, Mr. B. was named to the Municipal Art Commission for Seattle where he served for three years as chairman of its landscape and architecture committee. He has only recently resigned from chairmanship of the Design Commission for the city of Seattle. He has served as a visiting critic in design several times at the College of Architecture and Urban Planning at the University of Washington and at Montana State University, and has been a juror in various AIA Design competitions throughout the Northwest, for Sunset Magazine and other media. He is a consulting editor for Environmental Design/West. He has been an active member of the Seattle Chapter of the American Institute of Architects for many years, filling all Chapter offices leading to his election as President in 1962 when he served an eighteen month term. It is with great pleasure that we fire a Symposia Salute to Mr. Albert O. Bumgardner, F.A.I.A.

Two architects from the Northwest Region and two from the Western Mountain Region have been elected to the College of Fellows, a lifetime honor bestowed for outstanding contribution to the Profession. Apart from the Gold Medal, Fellowship is the highest honor the Institute can bestow on its members. We proudly salute you!



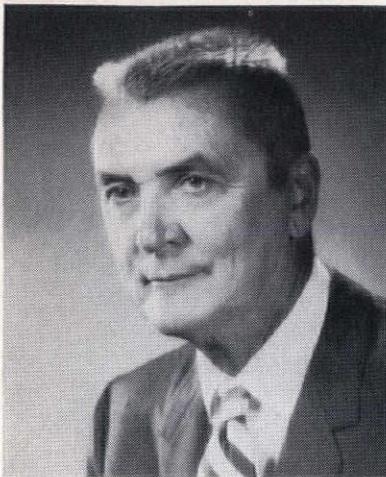
GERALD L. ALLISON, F.A.I.A.
Honolulu, Hawaii

Mr. Allison is the immediate past president of the Hawaii Chapter of the American Institute of Architects and a partner in the firm of Wimberly, Whisenand, Allison, Tong and Goo Architects, Ltd. A contributor to the 1970 series: "The A.I.A. Asks: Why? Why Not?", he is presently the writer-photographer of the current environmental design series, "Where Am I?" for the Sunday Star-Bulletin and Advertiser.

Born in Seattle, Mr. A. is a graduate of the University of Washington School of Architecture, and worked for the firm of Decker and Christenson, Architects prior to moving to Aloha land in 1957 where he joined his present firm as a designer when it was Wimberly and Cook. He became an associate in 1960, and a partner when the firm was organized as Wimberly, Whisenand, Allison and Tong. In addition to thirteen A.I.A. design awards from the Hawaii Chapter, the firm has won several national awards.

A member of the Mayor's Committee to Preserve Natural Beauty and the Hawaii Community Design Center, Mr. Allison has served on the Governor's Task Force on the National Environment: Land, Sea and Air, for the Governor's Conference on the Year 2000. He is married to the former Charlotte Nelson and the father of two daughters.

We salute you, Mr. Gerald L. Allison, F.A.I.A.!



EDWARD LEIGHTON VARNEY, F.A.I.A.
Phoenix, Arizona

Edward Varney, senior partner in the architectural firm of Varney, Sexton and Sydnor has been a member of the American Institute of Architects for a quarter century. A past president of the Central Arizona Chapter, he has served on numerous boards and committees of the Institute, both at local and national levels. He was educated at the University of California at Berkeley and the University of Southern California.

Mr. Varney is perhaps best known for his original building designs, one of the first architects to utilize non-load bearing partitions, balanced lighting and modular concepts. He was also among the first to employ the "finger plan" in school facilities, and he was using lift-slab design as early as 1953. He has been praised as "the outstanding innovator in the area of architectural precast, both fascia treatment and total wall systems" by Samuel F. Kitchell, president of Kitchell Contractors, Inc. Mr. Varney was a member of the Maricopa County Regional Planning Committee in 1955, and of the Phoenix Growth Committee, 1957-'58. He was Chairman of the Valley Beautification Council in 1962, and has been recognized with special awards for service to the Boy Scouts and the Boys Club of Phoenix.

Edward Varney and his wife, Rose Marie, are the parents of six children; a married son, serving in the United States Navy, a son attending school at the Los Angeles Art Center and one at Yavapai Junior College. They have one married daughter and two young ladies are still at home.

All this adds up to a sizable cheering section . . . plus you should include the Central Arizona Chapter and the Western Mountain Region—all saluting Mr. Edward Varney, F.A.I.A.

MORE ABOUT FELLOWS:

We were pleased to note among this year's list of Fellows four additional names—well known to our area—**Edmund N. Bacon, F.A.I.A.** of Philadelphia, noted for his exceptional planning program in that city, a principal speaker at the 1967 Western Mountain Regional Conference in Colorado Springs and author of "Design for Cities." **William J. Geddis, F.A.I.A.** of Cambridge, Massachusetts whom we all met at the 1968 W.M.R. in Salt Lake City, Chairman of the 1970 national A.I.A. Convention and immediate past president of the National Council of Architectural Registration Boards. **Murvan M. (Scotty) Maxwell, F.A.I.A.** of New Orleans, Louisiana—who has been indefatigable in his efforts over many



HOBART D. WAGENER
Boulder, Colorado

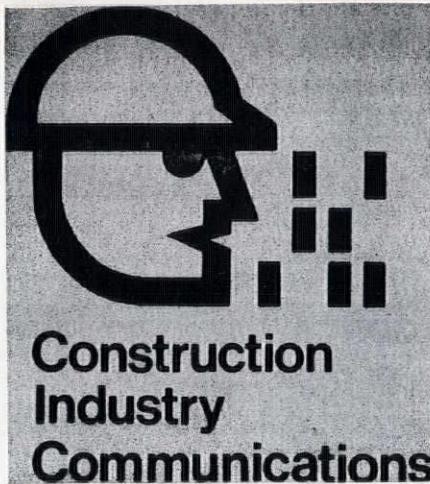
Since we have been avid Hoby Wagener fans for so these many, we were particularly delighted to find him "among those present" at the 1971 Investiture of Fellows. In his letter to us he wrote—"The aspect of this fellowship recognition which pleases me the most is the Local Architect-Local Community story. We came to Boulder twenty years ago when there were 20,000 people here. Now with a population of 70,000, this city is a dynamic, vital and well-planned community with great potential for the future. The spectacular problems of the present are not unlike those of the past which have been solved with success by many competent and interested people including architects. Good Architecture must be an important part of a good community's success story—and as an Architect I have considered this to be an opportunity and a responsibility."

With this splendid philosophy, it is small wonder that Hoby's citations for architectural excellence run into two typewritten pages. And he practices what he preaches . . . he is a past-president of the Boulder City Planning Commission, Boulder Lion's Club and the Junior Achievement Program. He is presently President of the Boulder Chamber of Commerce, a member of the State Supreme Court Selection Commission and Secretary of the Colorado State Society/AIA.

Hoby was graduated from the University of Michigan in 1944, and before coming to Boulder, he served in Uncle's Navy and worked in the offices of Architect Harold Spitznagel in Sioux Falls, South Dakota; Eggers and Higgins in New York and with Pietro Belluschi, Portland, Oregon.

We are happy indeed to congratulate Hobart D. Wagener, F.A.I.A. on this well-deserved recognition.

years to promote code improvement and unification (it was this mutual interest which brought him together with Symposia to begin with). In large measure, "Scotty" Maxwell has been responsible for the recent establishment by the AIA of a Codes and Regulations Service Center and he serves as a member of the three-man advisory Board. **George Malcolm White, F.A.I.A.** Cleveland, Ohio, presently Architect for the Capitol, but prior to this appointment Vice President of the Institute and Chairman of the Task Force Structure which he discussed at the 1970 W.M.R. Conference in Tucson, and in a special Symposia article in the December, 1970 issue. Our congratulations go to these gentlemen as well as to those new Fellows who are a little closer to home.



Construction Industry Communications

by: Robert J. Schmidt, CSI/FASCE
Director — Region 10

That time of year has rolled around again — another CSI Convention. This was the fifth one I have attended but it was the fifteenth for the Institute. Our editor sweet-talked me into doing the coverage again this year — how could you turn down such a nice person as Betty Trunk? If you would prefer to have someone else do the convention coverage, I would be most pleased if you would drop Betty a line and let her know about it.

The convention this year was held at Anaheim, California — Home of Disneyland. The brochures claim that it is "where the sun shines 354 days a year." Since I had to attend CSI Board of Directors Meetings on Saturday and Thursday, I was there from Friday evening, June 4 until Thursday evening, June 10 — six days. The sun really only shone one day of the six, so they used up nearly six months of non-sun days in those six days.

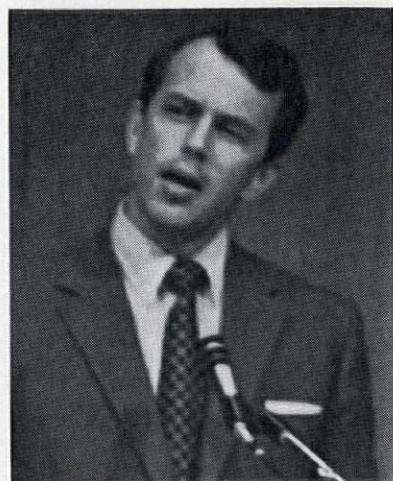
The theme of this convention was indeed realized as the advance publications indicated. COMMUNICATION was the keyword — communication between the seemingly endless number of participants in today's construction industry, and perhaps more importantly, communication between CSI members on the programs and technological advances that are, and will be, available — not to eliminate the use or role of the specifier but to serve as tools — for expanding the specifiers' capabilities to do his job more quickly, more effectively, more error-free and more economically. Tools to free the specifier — to give him the time needed to continuously analyze, evaluate, synthesize, select and specify the myriad of products and their uses, and the new techniques created by and for our dynamic construction industry.

The format of the convention was the

the symposia summary

Fifteenth Annual Convention Construction Specifications Institute

Keynoter: Robert J. Oster



same as in the past years with the first function being the Host Chapter Reception which was held Sunday evening from 6:30 to 8:30. The host chapters (Orange County and Los Angeles) greeted all attendees as they entered the foyer in the Anaheim Convention Center. Upon entering the Grand Lobby, each one was ushered to one of two locations where colored snapshots were being taken in company with one of the Disney characters — Mickey Mouse, Pluto, etc. The color photographs were available later in the week — free of charge — a special type of memento of this Convention.

As usual, everyone drifts off on their own after this affair. Yours truly and his wife, Clemie, wound up with a group of about 16 at the Grand Hotel — in, of all places, the Intimate Lounge and Restaurant. We made quite an impression with such a large group ordering dinner at ten o'clock on a Sunday evening. Most everyone had one of the steak dinners which were simply delicious — even complete with a large, paper bib to combat the splashing grease from the sizzling platters.

The Convention officially got underway Monday morning at 9:30 a.m. The invocation was given by Immediate Past-President Art Brown as a substitute for the scheduled minister. The "welcome to Anaheim" comments were presented by Anaheim's mayor — Jack C. Dutton. Awards of various kinds were then presented. Of the 14 chapters honored, honorable mention was awarded to Salt Lake Chapter for its "Salt Lake Chapter News" and Tucson Chapter for its "Tucson Topics" — both in Category 3 (75 or less members). Of the 28 awards presented in the 1971 Annual Specifications Competition, honorable mention in Category A —

Schools and Educational Buildings and Facilities — was awarded to James A. Hufford, Wilfred J. McGinley, David R. Towne for the Trades & Industry Building, Aims Community College, Greeley, Colorado.

The awards were followed by the Keynote Address — a switch from the published program. It was given by Robert J. Oster. As the economist in Bank of America's Los Angeles Headquarters, he specializes in business forecasting, asset management, and corporate finance. He majored in economics at Occidental College and, following his 1963 graduation from the Los Angeles school, he attended the University of California at Berkeley, obtaining both his master's and Ph.D. degrees in economics. A native of Southern California, Oster joined Bank of America in October, 1966. He brought into his presentation many times the phrase "building homes and buildings that people want and can afford." His main thrust was that CSI's Project CONCOM and COM-

SPEC® represent important firsts for the construction industry, but after them — then what? The real challenge now before the industry is to build homes and buildings that people want and can afford. These computer aids will enable the construction industry to "plug in" but it must be careful not to "cop out" but rather should "turn on."

Some of the obstacles which must be overcome by the industry are the labor unions, building codes, small amount of industrialization and the small amount of investment in construction research. All elements of the construction industry — engineer, architect, owner, contractor, subcontractor and supplier — are under pressure to improve construction productivity. He indicated the school building boom of the 60's now becomes the home building boom of the 70's.

Next Clyde V. Pearson presented Coming Attractions — definition of the convention theme, outlining the activities of the 1971 program; identifying the Industry's participants, relating each to the many interfaces of specifications; indicating the expanding role of the Specifier; and an evaluation of the aids and new tools available to enable the CSI member to keep up with the pace of the technological development.

During the first exhibit viewing period, a brand new feature was offered as a result of the January Board of Directors' meeting. This was a meeting with all chapter presidents-elect. Admission to this meeting was by authenticated card only in order to keep the numbers down and make it meaningful. It took on the title "DIAL-CSI/71" for dialogue. Chapters had previously been requested to submit items for an

agenda. Seventeen items had been submitted and were discussed during the nearly two-hour session. Topics discussed ranged from a review of the organization chart to a review of the technical program.

The afternoon session consisted of a panel discussion entitled "Communications, The Computer, and the Specifier" — a brief historical background of Construction Communication; their involvement and importance, and the long chain of information conveyance occurring within the industry, and a panel session on new techniques being utilized for better, easier and more effective communications. As moderator, Joseph H. McPherson did an outstanding job liberally spiced with a keen sense of humor. A past-president of SWAC, A. W. Cluff, also did a fine job of functioning as "summarizer" — a rather difficult task after such varied comments.

Monday evening was hosted by CSI and McGraw-Hill, Information Systems Company. The advance billing indicated an "Hawaiian Night" — a luau — with muu-muu and sport shirt as appropriate attire. There was no mention made of the goose-bumps everyone brought along with them. It was certainly a most chilly evening for such an event. The only warming trend was the unique manner in which the drinks were served. A large number of attractive young ladies wandered around the grounds the entire evening with trays full of drinks with a small sign attached on the front of them identifying the variety they were dispensing. Many were switching drinks, not based on the signs, but based on what was backing up the sign.

Tuesday started off a bit earlier with the first session starting at 8:30 a.m.

The title, "Tools for the Specifier," the subject matter, the time and location were the only items the same as previously presented in the program. The moderator and speakers were all different people but it was, in my opinion, the most informative two hours of the entire Convention. John Anderson, a past president of CSI, performed very well as the moderator giving the history and background of CSI and the Construction Sciences Research Foundation as they relate to COMSPEC and SPEC-DATA® II. The SPEC-DATA® II portion was presented by Peter Judd, Western Regional Manager, Information Handling Services, Inc. In showing the growth of IHS, he informed his listeners that when IHS was first formed in 1959 it consisted of two people and processed in that first year zero feet of microfilm. In 1970 IHS had 300 people and processed 80 million feet of microfilm — more than any other agency except the Federal Government. Most everyone in the design profession has by now heard of SPEC-DATA® II. After a great deal of market research, model system development, refinements and modifications, it was produced and displayed for the first time at the 1969 CSI Convention in Houston. Mr. Judd gave an exceptionally good presentation of this subject which also included colored slides. The system now has in excess of 300,000 pages from 4,000 catalogs. The Building Products File which consists of four indexes — Manufacturer, Key Word, Product and Brand Name — is now available not only as the microfilm index but also in a single, printed, hard copy volume. In the identification of a particular building item, CSI through its 16-Division Format has gone through three levels — 1st level, Division;



At left . . . the Luau complete with muu-muus, Hawaiian shirts and goose bumps.



At right . . . the Display Area at Anaheim.

2nd level, Broadscope Section; 3rd level, Narrowscope Section. SPEC-DATA® II can now go through three more levels to a sixth level of identification in a matter of seconds. By the end of July, IHS plans to have nearly 400,000 catalog pages of 4,400 catalogs on microfilm for the complete system. The most important feature of this system which separates it from other system is the Product Selector Grid. It includes information on manufacturers, product market areas, SPEC-DATA, technical information and standards, brand names and product characteristics — all arranged on a side-by-side basis for quick comparison. The use of this grid is simple and it is fast.

The next speaker, Wes Gallagher, Vice President and General Manager, Pacific International Computing Corporation gave a presentation on COMSPEC®. This is the first of a family of computer-aided programs to be offered under Project CONCOM. This program is a text manipulation system for use in preparing construction specifications. PICC is a subsidiary of Bechtel International Corporation — a firm that operates on six continents. PICC is headquartered in San Francisco and presently operates the system from two additional locations — Los Angeles and Gaithersburg, Maryland (near Washington, D. C.). By the end of this year, it will be servicing this system from five additional locations — Chicago, Boston, New York, Philadelphia and Washington, D. C. The development by PICC of this system which was marketed only in January 1971 has advanced so rapidly that certain elements of software that were to be available in 1972 and 1973 will now be available in July 1971! A description of this program here would consume more space than this entire report. For the latest available information on it, see one of the CSI members from your area that attended the Convention or drop a line to:

Pacific International Computing Corp.
COMSPEC Service
Fifty Beale Street
San Francisco, California 94119
and request a brochure, sample PIC
Master Section, pricing information
or for a representative to call.

The next speaker was Richard Whitesell, Business Development Manager, PICC. He described the present status of experimental research that he is conducting in the possible development of COMDATA by using COMSPEC® and SPEC-DATA® II. As far as the research has progressed, he is of the opinion that computer-aided

data search is feasible. The example he used in his slide presentation was a long span steel joist.

The afternoon session was billed as "Do Your Thing." Those in attendance were quickly divided into twelve groups, each with a group leader. The groups then went to separate rooms where each group had a SPEC-DATA® II set-up and a PICC terminal for COMSPEC® with an operator. Each person received a work kit that contained six different brochures on the material to be covered during the afternoon. Two of these six brochures were a definite expression of the confidence CSI has in its programs — they were on MASTERSPEC®, the automated master specification system of Production Systems for Architects & Engineers (PSAE), an AIA sponsored non-profit corporation.

Anyone who attended this Convention and is not now familiar with these two programs probably did not attend both the morning and afternoon sessions on Tuesday. The afternoon session certainly provided the opportunity to "experience" both of these programs by actually working with them and having them do what you wanted them to do. It is my opinion this day alone was worth all the time and expense for practicing architects to attend the Convention.

Wednesday morning started off even earlier — at 8:00 a.m. This was the second year that this event was on the program — Membership Forum — an informal discussion of Institute affairs. It was much better attended this year than last. The format followed was that President Ben Greenwood accepted questions from the floor which were duly recorded and then, after accepting about eight or ten, he or a member of the Executive Committee responded to the questions. The big event of the Convention of course was the Annual Meeting called to order at 2:10 p.m. on Wednesday afternoon, June 9, 1971. The most important part of this event was Item 7 on the Agenda — Resolutions submitted for consideration of the Annual Meeting. The first resolution had to do with allowing Industry Members to use the initials "ICSI." When I attended a joint meeting of the Phoenix and Tucson chapters on Saturday, May 15, this resolution was among the items discussed. In the capacity of their soon-to-be Region Director, I made the suggestion that the Phoenix Chapter prepare an amendment ahead of time to delete the first "I." This amendment was prepared and placed on the floor quite ably by Robert W. (Bill) Myers, Phoenix Chapter President. It was accepted and the

amended resolution passed. During the Board meeting on Thursday, the Board directed that this item be turned over to the By-Laws Committee for implementation.

The second resolution, Objective of the Institute, was the one most members were waiting for. This resolution brought out a great deal of discussion, some relevant, some irrelevant. Two efforts were made to amend it but both failed. After a great deal of debate, the main motion was finally put to a vote and was defeated. During the Board meeting on Thursday, the Board rescinded that portion of their Rules and Regulations which included the restatement of the objective and directed the subject be submitted to committee.

The third resolution, Priority of Specification Documents, also had more than a usual amount of discussion. This resolution passed when the vote was called. During the Board meeting on Thursday, the Board directed this matter be submitted to the Long Range Planning Committee. Two other pieces of information among all else available at this Convention should definitely be included here because of their worthiness. In spite of the serious downturn in the construction industry this past year with its reduction in "Specifier" advertising and purchase of exhibit booths coupled with a slight downturn in total membership, CSI is projected to complete the fiscal year with an excess of income over costs of \$1,850 — real close, but a black figure, not a red figure. The other is the fact that the technical documents program is going to produce so many documents next year that the "Specifier" can not handle them all. A new CSI "25" Series was announced — a subscription to 25 additional Specification Series documents, cost to members — \$25.00 with the first mailing scheduled for October, 1971. Subsequent mailings will follow on the respective quarters of the fiscal year.

Based on membership counts of May 1, 1971, there was a 7½% representation from Region 10 (the old one) at this Convention. In the following tabulations, the Western Section Director was counted as one-half with both of the chapters of which he is a member. The Pikes Peak Chapter, newest in the Region, did an outstanding job in getting out the attendance at this Convention with a 19% turnout.

Well, there you have it — do hope it has helped give you an insight into this year's Convention and possibly stirred a bit of interest in attending the next one — Minneapolis, Minnesota, June 19-21, 1972.

GREECE

Where Buildings Are Books
and Life Bubbles Over

John W. McHugh, A.I.A.

It is July—and we are on the second leg of our journey through Greece. Our gifted guide, John McHugh, A.I.A. of Santa Fe, New Mexico, is at the wheel of the lively little Cortina with sketch pad, pencils and water colors at hand. Relax and enjoy our fourth Summer Symposia Safari with "Himself." This feature will be concluded in our August issue.

THE AFFAIR really began the night before when we put up at a brand-new Class B hotel, the finest to be had in this somewhat primitive small town. After a dinner of stuffed vine leaves with *retsina* we wandered into the streets. It was a typical southern European atmosphere with all shops open, all sidewalk cafes crowded, music coming from the bars, and the citizens ambling without any particular direction over the streets. When the occasional motorcar would come the walkers would gradually make way for it. It was a civilized way to spend the warm and pleasant evening. Back at the hotel we asked the English-speaking manager if we might have hot water for baths, and his very southern reply was, "Maybe after a while I will turn on the heater and, if the water should become warm enough for bathing, then perhaps I will telephone you." The phone never rang.

THE NEXT morning I stepped onto a balcony and looked over a green and mountainous landscape awash with sunshine. The town with its white stucco walls and red tile roofs is reminiscent of Spain, but the landscape is more intimate and less grand than Spain. One can sense the flow of history here and feel the seemlessness of Greek life. The ancient Greeks and the modern ones are all shaped by the same harsh land. The street musician's monkey with a tincup added an operatic touch to the scene. After a sketch I enjoyed a cup of thick, black, sweet Turkish coffee at a sidewalk cafe, even though I had to hold my feet up on the rungs of my chair while the pavement was sluiced down all around and under me.

■ DROVE that morning with Gillian and my sister-in-law, Nancy, through lovely valleys with Mt. Parnassus in sight ahead and a tingle of mounting excitement inside me. There were wildflowers everywhere, and the little car itself seemed eager. But gradually there came a strange feeling about the day, and this feeling increased strongly. It seemed almost as if something were happening to the light. The sun was still shining, and there were no clouds,

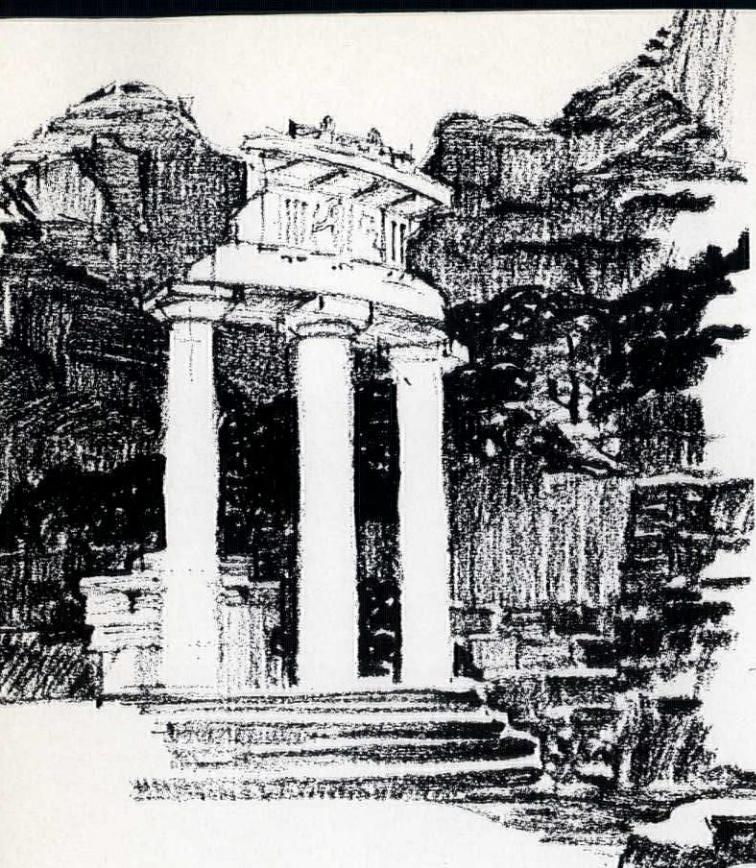


... we ordered an easy lunch on the delightful dining terrace, and while we were waiting . . . I made this sketch.

but I began to feel that I was driving through a moonlight dream. On the road to Delphi one is bound to become particularly sensitive to the moods of the country. Having got almost as nervy as a cat, I stopped the car in a town called Lavadia where I noticed a man looking at the sky through a smoked glass. Leaping from the car, I snatched the glass from him, apologized in English (waste of time), and took a look at the sun. It was in almost total eclipse. No wonder I had felt edgy. We sat at a cafe to await developments, and I said to Nancy, "If it gets any darker I'm going to be scared," to which she replied, "I'm scared already!" To help settle the nerves I ate an especially rich torte composed of layers and layers of chocolate cake laid up like bricks in a rich mortar of almond paste made of eggs, butter, sugar, goat cream, and ground almonds—topped with chocolate goat fudge icing, a mound of whipped cream, more almonds, a cherry, and marshmallow sauce. I thought that this might make me better able to face the exterior darkness. After this gorge-ment a slightly larger sliver of the sun was visible, so we pressed on through a gradually lightening countryside.

WE turned off along the way to Ossios Lucas, an old monastery which had been opened to the world only a few years before. The chapel there is gilded with the most dazzling mosaics—much better than the famous ones at Daphne, or even Ravenna. Now, since my torte had worn off and since viewing art is a very hungry-fying affair, we ordered an easy lunch on the delightful dining terrace, and while we were waiting for it I made a sketch.

THE day continued to be full of wonder. We tackled the narrow, very steep, and wildly curving road toward Arachova. I had taken off my coat and tossed it into the back seat. Nancy was sitting beside me gradually taking off scarves and sweaters. At one point I happened to turn around and saw Gillian huddled in the middle of the back seat wearing her pullover, cardigan, scarf, and my coat. It seems that Nancy gets very warm when she is frightened and Gillian gets cold! This narrow mountain road with occasional large busses going the other way—and ourselves on the outside—had brought on this situation of a practically undressed Nancy and a Gillian done up



From the beginning the Lord must have intended Delphi for great events . . .

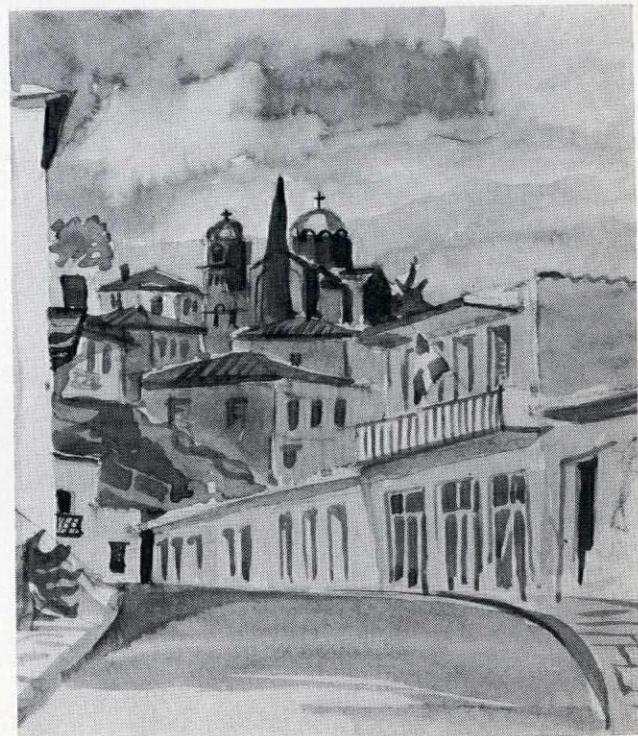
like a cocoon. Me? I was having a fine time whizzing round curves and taking a good run at the hills. (Of course I had the wheel to hang on to.)

APPROACHING from that direction one first sees Arachova across a small bay—except that instead of being a bay of water it is a bay of seemingly bottomless space. The town is draped against the mountainside, and one has a good view of the main street where all of the shops are hung with brilliant examples of local weaving. Stop when you go there and bring along some travelers' cheques, for you will surely lust after the glowing colors.

THE last few miles remaining to Delphi we drove through the slanting light of the evening sun. Almost without looking we chose a hotel room and then set out immediately for the ruins, sketchbook in hand. These are rather special sketches, for I used water from the sacred spring for the water colours. The beauty of Delphi is serene and pervasive—one of the lovely spots of the earth, surely. The landscape was jade and aquamarine and turquoise and amethyst, and the classic columns and walls are a luminous golden ochre. Everywhere the red poppies in the dancing evening sun brought a sprightliness to this mighty, monumental setting. It is like a *Moderato* symphony enlivened by swinging arabesques. Like the Grand Canyon or the glass at Chartres, it is much more full of wonder than one thinks it is going to be and like them it cannot be described, but must be experienced. A sense of history will help to increase your enjoyment and so will a little Buddhist stream-of-life philosophy; but even without them Delphi is a place of re-creation in the truest sense of that word. The sketches are the only description I will attempt. Gillian's musical ear, however, sensed the sounds of the mellow little donkey bells which began and ended each day as the gentle faced Greek men and women came and went from their work in the fields. Through the golden haze of the morning or the soft charity of the twilight the

little donkeys passed serenely up and down the same paths which have been used in the same quiet way for hundreds of years. We closed this marvelous day with a walk through the streets of the village of Delphi and an excellent dinner.

DURING the next two days we immersed ourselves in the wonder of this place with its awesome memories. In the long, dim avenue of the past, archeologists and other scholars are slowly making windows to admit a little light on the pulse of human life that flourished and ebbed here. From the beginning the Lord must have intended Delphi for great events, for He flung together rose-grey rocks, caves, secret springs, mountainous ravines, rivers, and a rich and wild vegetation. He placed it all just twenty miles from the sea on a natural route to the fertile valleys and plains; then He topped it off with an opening in the rocks from which strange vapours emerged. These exhalations of the earth had a magical effect on all who breathed them — animals or men. Naturally it became the dwelling place for the gods, a setting for magnificent architecture, a center for the arts, culture, and religion. When men responded appropriately to the majestic setting, they made a city so rich and beautiful that it is no wonder that other men sought over the centuries to rob it, to seize it, and to destroy it. But the invasions and plunder by other Greeks, Persians, barbarians, Romans, and modern tourists have failed. The great temples glittering with colour and gold are gone, the solemn rituals and celebrations continue to exist only in memory and imagination; but today — this living minute — Delphi serves as a sort of Pierian Spring, and some of its wonder soaks into the bones of those who walk and stand there. Ordinary tourists from Hamburg, Paris, Birmingham, or Chicago find themselves behaving with courtesy and speaking quietly in the presence of such a great weight of human wisdom.



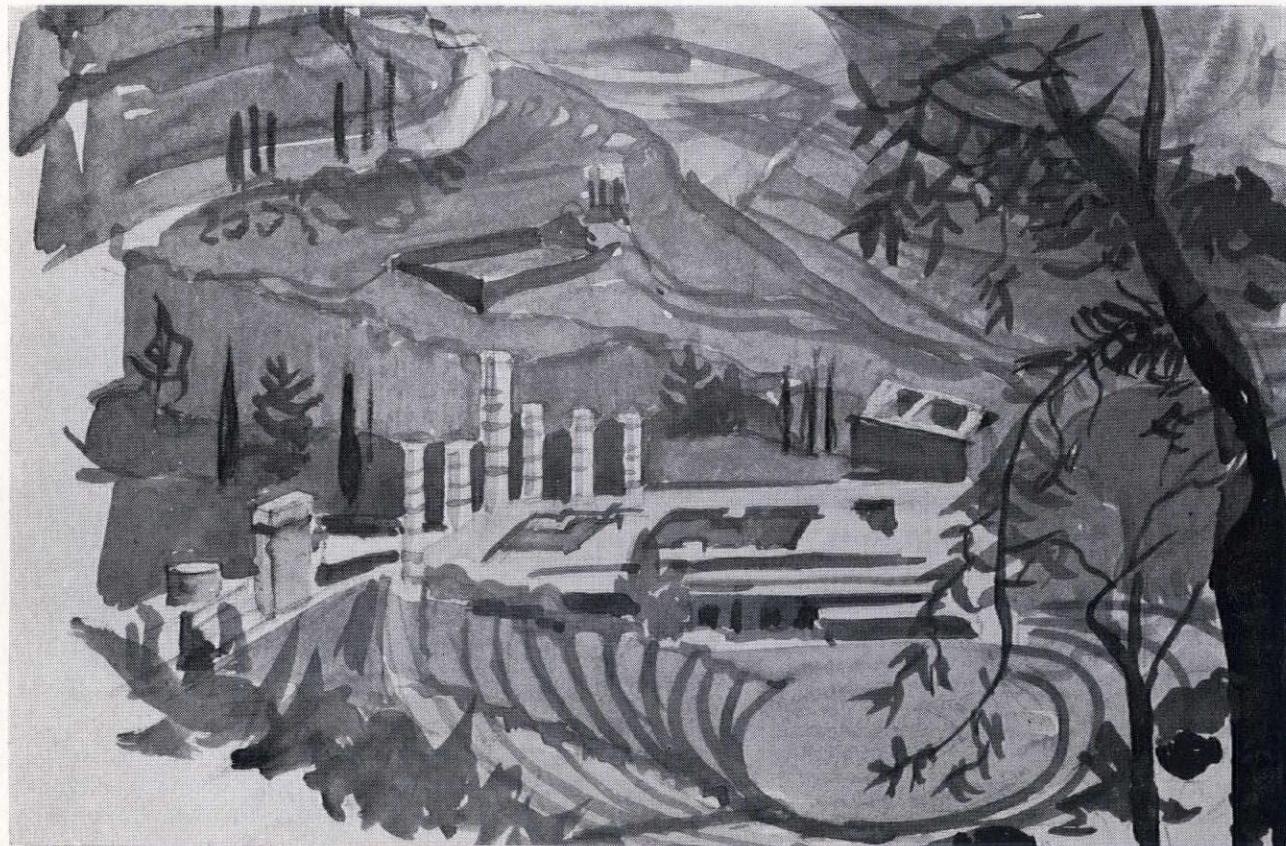
We closed this marvelous day with a walk through the streets of the village of Delphi . . .

WO days later we took the ferry from Itea. We were waiting on the pier before sunrise, having sacrificed our sleep to be sure that our car was one of those actually taken aboard; for we had been told that the boat was not large enough for the traffic. We were rewarded by success but more importantly by colour the like of which one would have to take drugs to see anywhere else: apricot and silver, shading to grey and lilac, stabilized with patches of lapis lazuli blue. There was nothing to see except colour — no people, no houses, just a varied and gradually changing orchestration of glory.

UNCH is different from other meals. Business luncheons are for dealing. Dietetic luncheons, offering practically nothing in the way of nourishment, are mainly for the purpose of bucking up one's morale. Some political lunches are not for eating, but for conniving, and there are times when we eat our food without tasting it because we are enjoying a good gossip. That day after our ferry ride we ate lunch because we were starved! Duncan Hines, American Express, and the Michelin Guide be damned — we stopped at the first place we came to. There was a somewhat ramshackled wooden house set back about fifty feet with a few tables set under the trees between the house and the road. Ours was a rickety table about two feet from a very busy highway. We began with a salad, rich with real olive oil, and some of the tiny but tasty Greek olives which are just a little flesh around a very large seed, but they taste more olive-y than others. There were some alarming looking Aegean fish broiled in olive oil, crunchy fresh-baked bread, and a poetry of cheeses. Even though we had to hold on to things every time a truck or bus went by we managed to enjoy everything immensely, including two bottles of good red **Domestica** and a coffee on which one could trot a cat! Maybe it was the food and the wine,

maybe it was the heat, or perhaps too much living crowded into too short a time. In any event, the ladies fell asleep while I piloted the car through the hot afternoon to Patrai and then headed inland toward Olympia and a thunder-storm. There is something pleasant about driving toward a storm on a hot day, rather like a concert or play where you watch the drama unfold, and then finally feel the cooling water on your skin.

WE PUT up that night at our only class C hotel. It was a nice place sitting quietly there in the dripping trees. I wonder why I like hotels so much better than motels. I suppose they involve you more in the country and its people where motels tend to insulate you from them. The Fairmont, La Fonda, or The Plaza may cost more than Holiday Inns, but they seem to be in San Francisco, Santa Fe, and New York instead of in a sort of travellers' limbo of neither-here-nor-there. In any event, the **Appolon** was definitely in and of Olympia. We walked a bit in the rain and ate in an unassuming-to-say-the-least cafe, waited upon by a twentieth-century Aphrodite who besought us to examine her kitchen and make our choice there. Then we "did" the shops. For about seven dollars we bought probably five dollars worth of merchandise and had twenty dollars worth of amusement. A young man in one of the shops spoke good English and was delighted with Gill's accent. He told us how much England had done for Greece, spoke of Byron (conveniently forgetting Lord Elgin), told how the Greeks love the English, and how much he loved us. He gave us various liquors to drink, and whenever we asked the price of anything, he replied with less than half the amount which was marked on the ticket. I was planning to do the paying that night, but it became apparent that dollar travelers' cheques would disillusion him no end; so Nancy produced her sterling ones, and the evening was saved.



These are rather special sketches, for I used water from the sacred spring for the water colours . . . the only description I will attempt.



Land Development Specifications

Guide to Operations

by: David F. Lofgren
Institute of Maintenance Research
Salt Lake City, Utah

It is easy to acknowledge that a major portion of the esthetic impact of an area is attributable to the quality of maintenance given that project. In contrast, sadly but too seldom, is it recognized that the maintainability of that area or project is geared directly to the design and construction used in developing that project.

Extensive research into the major high cost features in landscape care suggest a set of basic specifications. These basics are not harsh or unrealistic and allow for a full latitude of creativity in design, but still maintain a realistic maintenance budget potential.

Lawn areas can be design created problems, requiring between 5-50 times as much to maintain each year as it did to plant the area. And parking areas that range from 30 minutes per acre to plow snow from up to two hours per acre per snowfall. Drainage problems can make it necessary to patch plaster and repaint subgrade walls twice a year at least—strictly from spring and fall rain and weather. The following list of standards has been developed to serve as a guide in land development and construction planning:

General Conditions:

All areas, structures, features, etc., shall be provided with full and ready access for standard maintenance equipment and operations. Adequate storage will be provided for service and operations, equipment, tools, materials, etc.

CHART NO. 1

| BASIC GRADE | % Grade | Ratio |
|--|----------------|--------------|
| Maximum Unsupported Cut | 100 % | (1:1) |
| Maximum Unsupported Fill | 50 % | (2:1) |
| Maximum Simple Construction | 33 1/3 % | (3:1) |
| Maximum Practical Landscape | 30 % | |
| Maximum Lawn Slope | 20 % | (5:1) |
| Maximum Walk Ramp | 15 % | |
| Maximum Drive Slope | 12 % | |
| Maximum Slope for Black Top Drive | 10 % | (10:1) |
| Maximum Fast Highway or Dirt Road, also Optimum Drain Slope from Building | 5 % | (20:1) |
| Maximum Freeway also Minimum for Slope from Bldg. | 3 % | |
| Optimum Playfields, Paved or Other Exterior "Flat" Areas | 2 % | (50:1) |
| Minimum Landscape or Paved Surface | 1 % | (100:1) |
| All grading shall be such that all surface areas can drain by natural gravity flow. Sumps will not be used for exterior surface drainage disposal. | | |

CHART NO. 2

PARKING LAYOUT STANDARDS

| Parking Width Required* Including Drives for | Standard Widths | | Ft. on Curb | Comparison | |
|---|------------------------|-------------|------------------------|--------------------------|---------|
| | Min. | Opt. | | No Car/No.Ft.Crb. | |
| 2-way 90 deg. parking both sides | 54' | 68' | 9' | 11 | 99' |
| 2-way 90 deg. parking one side | 40' | 48' | 9' | 11 | 99' |
| 1-way 60 deg. parking both sides | 55' | 65' | 10 1/2' | 9 | 94 1/2' |
| 1-way 60 deg. parking one side | 36' | 45' | 10 1/2' | 9 | 94 1/2' |
| 2-way 60 deg. parking both sides | 55' | 65' | 10 1/2' | 9 | 94 1/2' |
| 2-way 60 deg. parking one side | 40' | 45' | 10 1/2' | 9 | 94 1/2' |
| 1-way 45 deg. parking one side | 28' | 36' | 12 1/2' | 8 | 100' |
| 1-way 45 deg. parking both sides | 45' | 54' | 12 1/2' | 8 | 100' |
| 2-way 45 deg. parking both sides | 50' | 60' | 12 1/2' | 8 | 100' |
| 2-way 45 deg. parking one side | 34' | 45' | 12 1/2' | 8 | 100' |
| 1-way parallel parking one side | 16' | 22' | 25' | 4 | 100' |
| 1-way parallel parking both sides | 24' | 32' | 25' | 4 | 100' |
| 2-way parallel parking one side | 26' | 40' | 25' | 4 | 100' |
| 2-way parallel parking both sides | 32' | 25' | 25' | 4 | 100' |

*NOTE: 90 deg. parking—2-way drive—requires only one parking access.

All other—45 deg., 60 deg., or parallel, require two access drives or a turn-around.

Parking Control

Median Islands/Plantings

Parking layout shall be as efficient in design as possible to provide maximum convenient parking and still provide safe efficient cleaning, servicing and repairing. This is especially true where snow fall occurs. Snow pile areas must be available.

Landscaping

Landscape plantings shall be provided for all parking areas.

Minimum—1 tree for every 20 cars. Maximum unplanted areas, 150 feet radius from each and every spot in parking to a landscaped area with a minimum of 1.0% of total parking use area to be in landscape plantings.

Median strip planting/8' minimum width: If median strips are to be walked across, trees planted in mineral chip (slag, gravel, etc.) are suggested. Trees should be of a type to permit pruning up to give full 7' high clearance at curb side. Lawn grass should not be used in parking median strips.

Drives

One Way Drives should be 9' wide as a minimum with an optimum width of 12'.

Two Way Drives should be 20' wide as a minimum with an optimum width of 26'.

Drive curves minimum inside radius for cars 18', for large trucks 32', for specialty equipment get data from manufacturer. For large vehicles add to road width on curves to compensate for vehicle length. For all vehicles provide full sight clearance and adequate vehicle overhang clearance (up to 8').

Curb Cuts

One Way: 18' at narrow point. Two Way: 30' at narrow point. Optimum grade is not over 3%, but maximum grade is 8%. Avoid sharp grade changes, gutters, dips, etc. Consider the use of acceleration and deceleration lanes where possible.

Walks

Main Walks should have a minimum width of 60"—with optimum widths on up. Secondary walks need at least 48" with a 60" optimum width. Other walks—30" minimum—58" optimum. Walks at intersections should be provided with "corner fills" with a minimum of 6' radius. Consider using a step if the grade exceeds 6% even though the maximum slope for walk ramps is as high as 15%.

Steps

Exterior steps shall be provided with cheek or shoulder ramps, with the top grade of the ramp 1" above sod or soil. On a maximum slope—a 6" riser and 12" tread is recommended; on an optimum slope a 5½" riser and

CHART NO. 3

PROJECTED SPACE REQUIREMENTS FOR SEVERAL TYPES OF TRAFFIC GENERATORS

(Based on average needs not zone requirement)

| Type of Generator | Parking Needs Per | Planned Parking Needs | Units of Use (Total) |
|-------------------|-------------------|---------------------------|----------------------|
| Restaurant | 1 car per | 200 sq. ft. floor space | |
| Grocery Store | 1 car per | 300 sq. ft. floor space | |
| Department Store | 1 car per | 300 sq. ft. floor space | |
| Shopping Mall | 1 car per | 300 sq. ft. floor space | |
| Hotels | 1 car per | Every 2 guests | |
| Motels | 1 car per | Every Unit | |
| Hospitals | 1 car per | Every 2 beds | |
| | plus 1 car space | Every 3 employees | |
| Medical Centers | 3 cars | Per Doctor (Min. 10 cars) | |
| Church | 1 car | 4 Fixed Seats | |
| Condominium | 1½ cars | Each Resident Unit | |

Please check your local zoning regulations before any planning.

15" tread and on a minimum slope a 3" riser and 24" tread. Less than this — consider the use of ramped walks.

Lawn Areas

Lawn shall only be used where fully accessible and comfortably maintainable with full normal access for irrigation, mowing, fertilizing, etc.

Lawn areas shall be designed open and clutter free. As far as practical, shrub and ground cover areas shall be separated from lawn areas by a concrete mow strip (4" deep x 8" wide) or 1" x 6" redwood headers or appropriate steel curb, their tops being placed flush with sod soil level. Angle corners shall be avoided. Edges at corners shall be curved.

Lawn grass shall not be used in any planting strip less than 36" wide unless an extension of a continuous larger area.

Planned Lawn areas shall, if necessary, be modified with retaining walls, cuts, fills, or others as needed to meet Basic Grades as listed.

Lawn soil surface shall be constructed ½ inch ($\pm \frac{1}{4}$) below walks, curbs, mow strips or other adjacent paving.

Where traffic lanes do develop in

spite of adequate proper culture, stepping stones, walks or other measures will be taken to accept the wear and compaction.

Adequate and appropriate irrigation systems will be provided.

Only grass types proven fully adaptable for that area and soil will be used.

Shrub Areas

Minimum width 18"

Maximum width 10' from an exposed side

Minimum grade 1% slope

Maximum grade 20% slope

Planter Beds (Flowers)

Minimum width 6"

Maximum width 36" from exposed side

Minimum grade 5% slope

Maximum grade 20% slope

Planter Boxes

With a minimum width of 12" — planter boxes should be no longer than 18" and with a depth no deeper than 24". Maximum widths of 36" have no maximum lengths or depths. Drain holes shall be provided no less than every 2' of perimeter at base of sides to insure drainage. Holes shall

CHART NO. 4

Lawn Area Size

Minimum Radius Inside Curve Minimum Radius Outside Curve

| | | |
|--------------------------|--------|--------|
| Under 10,000 sq. ft. | 6 ft. | 2 ft. |
| 10,000 - 20,000 sq. ft. | 10 ft. | 4 ft. |
| 20,000 - 130,000 sq. ft. | 12 ft. | 6 ft. |
| Over 130,000 sq. ft. | 20 ft. | 12 ft. |

be no less than $\frac{1}{2}$ " in size and no further than $\frac{1}{4}$ " from bottom with the bottom flat or sloped towards the holes. Half an inch of washed pea gravel shall be placed at bottom of planter. This shall be overlaid with a 1" blanket of fine glass wool (unwrapped, such as P.P.G. Super-Fine Glass Insulation Batting). Above this soil shall be added as a homogenous, unstratified planter mix.

Tree Plantings

Trees shall be planted in shrub areas wherever practical. Where trees must be planted in lawn area, tree must be planted at least 8' (at center) away from any shrub planting, wall, fence, or other obstruction that will hinder free lawn mower movement.

Deciduous trees shall be planted no closer than 8 feet from any walk or drive. Evergreen trees no closer than 2 feet greater than expected mature radius of branching.

Lawn trees shall be provided with 24" of bare, sod free, sandy soil beyond and around full circle of tree. The soil shall be no lower than $\frac{1}{2}$ " below sod soil grade (sand panning) for easier mowing.

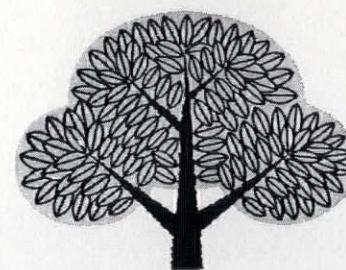
Gross Tree Populations

Clumps — close plantings where individual tree stems are no further than 5" apart at center — treat as individual trees.

Groves — Close plantings of 3 or more trees with 5 or more feet in between two or more individual trees in planting. Ground surface to be covered with mulch only, such as bark, sand, gravel, wood chips, etc. No plantings or under growth kept. Maximum 1 tree per 100 sq. ft.

Groupings — Tree groups planned with planted under growth other than grass or turf. Maximum 1 tree per 600 sq. ft.

Lawn Trees — Those planted in or adjacent to lawn areas. Where tree will at reasonable maturity extend at least 1/3 of its top or branch growth over to shade a lawn area. If planted in the lawn, tree shall be "sand panned." If planted in shrub area, tree shall be at least 6' back from



lawn edge. Maximum 1 in-lawn tree per 2,000 sq. ft. Optimum for lawn care not to exceed as overall average 1 tree per 10,000 sq. ft. of lawn, not figuring in open, planned play fields.

Mulches

All "non-Turf" ground or soil surface areas shall be mulched except in rough or undeveloped areas. Here mulching is optional. Ground cover (herbaceous) plantings shall receive at least 1 inch of mulch at planting time. Spaces between plants shall leave this maintained during fill in. Areas planted to woody plants shall be provided with no less than 2 inches of mulch. This shall be maintained as a soil protection and weed control measure. Where ground has over a 6% slope, soil should be contour terraced before mulch is applied to even further improve erosion control.

Preferred mulches are:

Sand — Usually for herbaceous plants. Slag Chips — High density, sharp edges, 1/4 inch to 5/8 inch diameter for flat to gentle ground, especially where walk through traffic is expected.

Pea Gravel — If walk through traffic is expected provide walk or stepping stones.

Processed Wood Products — Bark, etc. Use primarily those in the 1/16" to one inch range (larger chunks are more for ornamentation). If the larger pieces are used, increase depth of mulch to 3 times the diameter of the largest pieces.

Rough Cut Wood and Pruning Chips — as derived from regular tree re-

moval chipping operations.

Each type has its place but slag chips and rough cut wood chips prove most desirable in most cases.

Irrigation

All planting areas shall be provided with adequate "on site" water sources. Sprinklers shall be designed to provide uniform, even coverage at a rate not to exceed 1" of water per hour. Separate valving shall be provided for variations in demand such as shady areas and full sun areas, slopes (over 6%) and flat areas, shrubs and turf, flower beds. Manual valving should be considered for problem situations. In fact, most situations if systems are designed with low enough application rates to meet soil types.

Light Soil — 1"/hour or less

Medium Soil — $\frac{1}{2}$ "/hour

Heavy Soil — Under $\frac{1}{2}$ "/hour

Large enough piping sizes shall be provided to supply full water use, not only for irrigation but cleaning, etc. Suggested minimum landscape use (not including culinary and fire control):

| | |
|-------------------------|-----------------------|
| 3,000 sq. ft. or under | $\frac{3}{4}$ " Pipe |
| 3,000 - 5,000 sq. ft. | 1" Pipe |
| 5,000 - 10,000 sq. ft. | $1\frac{1}{2}$ " Pipe |
| 10,000 - 15,000 sq. ft. | 2" Pipe |
| 15,000 - 1 acre | $2\frac{1}{2}$ " Pipe |

Hose bibs shall be provided, a minimum of every 100 feet where paved areas are maintained (walks, steps, patios, etc.); where heated structures are involved, frost free hose bibs shall be provided from and for building services.

Plant Materials

All plant materials used shall be of types proven hardy for the area and situation. New, novel or "different" plants shall be restricted to a bare minimum. All plants shall be healthy, true to name, and up to full size specified.

Trees shall be sturdy enough to stand under rain and wind without stakes, with the caliper of stem adequate for the head it is to carry. It should, if bare root, have an adequate root system.

ABOUT THE AUTHOR:

David Lofgren has been termed the "Maintenance Missionary." Born and raised on a Utah fruit and dairy farm, he is a graduate of Brigham Young University majoring in Horticulture and is licensed landscape architect. He is a member of a number of professional organizations including the American Horticultural Society, American Institute of Maintenance and National Parks and Recreation Association. He has been employed in many capacities in the field of Landscape, Horticulture and Maintenance by the LDS Church, and is presently Superintendent and

Deputy Director over General Services at the University of Utah. His private consulting firm — the Institute of Maintenance Research — serves many clients ranging from homeowners to large apartment associations. He is a resident of Salt Lake City, and he and his wife, Donna, are the parents of four children. His philosophy is well expressed in his statement . . . "If I spend so much money for maintaining the landscaping I have today—where is the money coming from for the landscaping I want and need tomorrow."

a symposia series
Introducing: architecture/engineering/construction leaders

COLORADO



Howard C. Dutzi, President
Pikes Peak Chapter
Construction Specifications Institute

It was not too many moons ago since Howard appeared on *Symposia's* pages in yet another role—he was the Co-Chairman of the highly successful Region 10 Conference hosted by his home chapter in Colorado Springs. On June 15, however, he stepped in as the "fearless leader" of the Pikes Peak Posse and these livewires are "some kinda group!" Mr. D. is certainly well qualified for the top job of "rodding the spread" . . . a fine engineer with his own consulting practice in Colorado Territory.

Howard holds both a Bachelor and Master of Science degree in Architectural Engineering from the University of Illinois, and his early professional experience was as an architectural draftsman with the firm of Dittrich & Gibson of Chicago. In 1954, he became a structural designer and draftsman with Alfred Benesch and Associates, Consulting Engineers, joining the Chicago office of Skidmore, Owings and Merrill as structural designer and job captain one year later. In 1957, he came "west, young man" to work on the Air Force Academy and with predictable results. By 1958, he was with Lusk and Wallace in Colorado Springs as structural engineer and architectural designer. His own private practice as a consultant performing primarily structural engineering services dates from 1961.

Licensed to practice as a professional engineer in Colorado, Kansas and Alabama and as a registered architect in Colorado and Illinois, Howard belongs to several professional organizations. In addition to CSI, he is a member of the Consulting Engineers Council/Colorado, the American Society of Civil Engineers, the American Concrete Institute and serves on the Building Committee of the Pikes Peak Regional Building Department.

And . . . as if this weren't enough, this highly competent fellow is as nice a guy as ever came down the pike . . . Pikes's Peak, naturally! Welcome to the ranks of the leaders, Howard!

TAKE ME TO YOUR LEADER

NEW MEXICO



Richard D. Henderson, President
Albuquerque Chapter
Construction Specifications Institute

It is with great pleasure that we introduce Dick Henderson, who will be at the helm of Albuquerque's very active CSI Chapter for the next year. He is the Supervising Building Engineer for Mountain Bell's New Mexico operation. Dick was born and raised in Denver, but in 1955 Ma Bell transferred him to Albuquerque, where he worked with scheduling and estimating equipment as well as equipment engineering. He was promoted to his present assignment in 1963 and is now responsible for all major remodeling, maintenance and construction of his company's buildings in New Mexico, as well as all real estate and leases.

His engineering schooling has included attendance at the University of Arizona, the University of Colorado and the University of New Mexico . . . (could this be called a Cook's Tour of the Campi?). He is an Associate Member of the New Mexico Society of Professional Engineers, and quite recently Dick became an Affiliate Member of the New Mexico Building Branch of the Associated General Contractors.

In 1966, he joined C.S.I., and has been a valued and very active member. He has served as Technical Chairman for the Albuquerque Chapter, he has been Director and Secretary. Probably the biggest feather in the Henderson Hat has been his chairmanship of the excellent Albuquerque Specification School for two years . . . a big job—well done! He is married and he and his wife Gloria have one son and heir . . . Dan.

Bon Voyage, President Henderson—smooth sailing!

Architectural Students Honored

UNIVERSITY OF ARIZONA

Outstanding students in the University of Arizona College of Architecture were honored at the 13th Annual Awards dinner which was held Tuesday, May 4th in Tucson. Retiring Dean of the College, Sidney W. Little, FAIA, presented the Silver Medal of the American Institute of Architects to Valdis Dunis of Tucson. This is the highest award made to a graduating senior whose total academic record, skill in design and potential professional ability qualify him as the top student of the year. Runner-up was Paul Barnhart, Tucson, who also received the University of Arizona Foundation senior award.

The second of a series of scholarships provided by Mr. and Mrs. Stephen Miller through the Miller Foundation in the amount of \$1,000 was made to Richard Altuna, a junior from Tucson, and Dennis Yates, Tucson fourth year student, received the \$500 scholarship offered by the Tucson architectural firm of Friedman and Jobusch.

The Southern Arizona Chapter/AIA Annual Scholarship of \$500 was given to Kathleen McLaughlin of Tucson, a fourth year student and the \$300 Lee Church Memorial Scholarship, presented through the Arizona Masonry Guild was awarded Massimo Ruggiero, fourth year Tucson student. Robert Farr, a Jackson, Mississippi junior was awarded the annual Monarch Tile \$500 scholarship and Joe Beluch, fourth year student from Philadelphia, received a special national AIA \$300 scholarship.

The third consecutive \$500 scholarship from Concrete Products Company, Tucson was given Richard Phillips, third year student from Riverside, California and the \$300 annual Producers' Council scholarship went to Vincent Kwok, San Francisco, fourth year. Senior Harry Prushansky, Tucson, received the \$250 award from the First National Bank of Arizona . . . the fourth in its

series of scholarships. This year's Alpha Rho Chi bronze medal was presented to Senior Donald Krotee of Tucson and two book awards for faculty recognition were made to Paul Marchand, Tucson and Robert Berry, Concord, Massachusetts, both graduating students. The Dean's book award was given by Sid Little to Kenneth Ethridge, Tucson; Ann Sawyer, Phoenix and Abdullah Qubazard, from Washington, D. C. An alumni citation was presented to Roy Drachman a local Tucson developer and business man.

Held this year at the Three Sovereigns on North Oracle Road, the A. U. Awards dinner had a lot going for it—an excellent address by Gerald McCue, former head of the College of Environmental Design at the University of California at Berkeley, a brief and humorous talk from Sid Little and that famous all-architect dance band . . . "The Fallen Arches."

Some other awards were also made . . . these honoring retiring Dean Little — a beautiful champagne cooler from the students and engraved from "Sid's Gang," and a six inch wide necktie on which every student in the school had signed his name. Comments Sid: "It is a very interesting artifact which, of course, I will treasure, as I will the cooler." The Faculty presented Sid with a pair of fine zoom binoculars, appropriated inscribed and the architects of Tucson gave him a very handsome piece of copper sculpture suitable for a wall hanging. "All in all," confessed Sid, "it was a very emotional evening for Kitty and for me."

ARIZONA STATE UNIVERSITY

Students at the College of Architecture, Arizona State University, in Tempe were happily presented with approximately \$8,000 in prizes and scholarships at the 14th Annual Awards dinner.

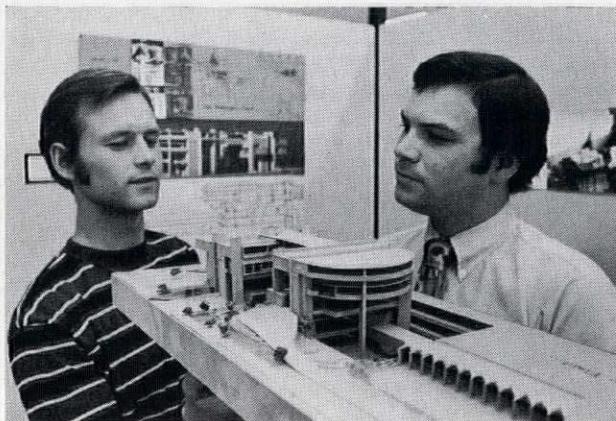
Fifth year students winning top honors include Margareto (Mike) Enriquez, Tempe, recipient of College of Architecture Faculty Commendation; Alan Snapp, Phoenix, the American Institute of Architects Henry Adams Fund award and School Medal; Jennifer Schurig, Mesa, runner-up for that award and recipient of a Certificate of Merit; and Norman Bechtold, Tempe, recipient of the Alpha Rho Chi Medal.

Snapp also received a Central Arizona chapter AIA award, and William H. Hunse, III, Tempe, was recipient of a \$500 National Endowment for the Arts scholarship.

At the fourth year level, Terry Beier, Phoenix, won the coveted Droyer, Welch and Lindlan \$1,500 European travel prize, and Don Larry, Tempe, was winner of the Superlite \$750 travel prize to Wales.

Other fourth year awards include Monarch Tile's \$500 scholarship to James Batchelder, Tempe, and a \$200 runner-up scholarship to John Guelian, Phoenix; a \$300 Construction Specifications Institute prize, divided between Wallace A. Turley, Mesa, Robert F. Leese, Farmington, New Mexico, and John E. Lawless, San Diego, California; a \$300 Reynolds Aluminum prize, divided between Raphael L. Collazo and Robert Walsh, both Tempe; and a Central Arizona chapter AIA book award to Larry Enyart, Mesa.

Third year honors include the \$500 Lee Church Masonry



Arizona State University fourth-year architecture students Terry Beier (left) and Don Larry have won the travel prizes in the College of Architecture's annual competition. Beier won the \$1,500 Droyer, Welch and Lindlan prize which will allow him to travel in Europe for three months. Larry was awarded the \$750 Superlite prize and will work in Cwmbran, Wales. The model is Beier's design for a Performing Arts Center for Scottsdale.

Guild scholarship to Stephen Heckeroth, Tempe; the \$250 Sylvia Straub scholarship, awarded for the first time this year, to Michael Frerking, Phoenix; \$250 Architecture Foundation scholarships to Don Ryden, Robert Rodriguez and Randall Rossow, all of Phoenix; Dean Meredith, Mesa; and Melvin Haft, Tempe. The Central Arizona chapter AIA book award to John Vander Pol, Phoenix, and the Field Trip Sketch prize to Francis A. Michevich, South Boston, Massachusetts.

Second year students receiving recognition include Daniel Jensvold and Joe Fernandez, both Tempe; Steve Ladislaus, Los Angeles; and Rob Anglin, Pleasanton, California, all recipients of \$250 Architecture Foundation scholarships. Ladislaus also received the \$200 Southwest Pine Association prize, and Fernandez received the Central Arizona chapter AIA book award.

In the first year category, Samuel Ruiz, Litchfield, received a \$250 Architecture Foundation scholarship; Robert Vance Hardenbrook, Kansas City, Missouri, and Lincoln Yen-Kuang Chu, San Francisco, both received \$200 Sun Angel Foundation scholarships; Dennis Andrejko, Ontario, California, and Leopold Ray, North Las Vegas, Nevada, both received \$250 Central Arizona chapter AIA scholarships; and Roger Tolbert, Pasadena, California, won the Central Arizona chapter AIA book award.

UNIVERSITY OF NEW MEXICO

One might well describe the Student Architecture Awards at New Mexico University as a gala — it was an afternoon-night picnic, beerbust and banquet held May 15th in Corrales, just north of Albuquerque. Presented to students were Medals, Tuition Scholarships, Cash, Book Awards, and graduate assistantships.

The AIA School Medal for General Excellence in Architecture was presented this year to Van H. Gilbert. Patricia F. Richards received the John Gaw Meem Medal and John C. Bland, the Tom Popejoy Medal.

Scholarship grants included the \$700 AIA General Scholarship which went to Gerald D. Percifield, and two Albuquerque Chapter/AIA Scholarships, each in the amount of \$350, were presented to Tim Christensen and John Friedman. The Kinney Brick Company also presented two scholarships — \$250 to Tom J. Balestri and \$250 to David E. Ferro. The \$225 Hydro Conduit Corporation Scholarship was awarded this year to Jose R. Carballeira. Other scholarships for tuition went to Francis Che Chung Lam from the American Landscape Foundation; the Charles D. Jack Scholarship to Thomas J. Schoeman and the New Mexico Concrete Masonry Association award to Richard P. Sanchez.

Two cash awards were made to UNM students this year . . . \$300 in the Reynolds Metals Company Competition was given Marc A. Giaccordo, and the Delineation Award was made to Gary R. Nolen. Book Awards were made to Roger Easley, Judith Butler, Patrick Affholter, Stephen Bice, Margaret Moore and Nelson Buck. Graduate Assistants named are Gerald Percifield, Bruce Briggs, Richard Dineen and John Bland.

AIA/FORD SCHOLARSHIPS

Of the thirty winners this year, three are from our part



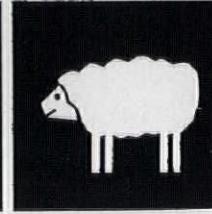
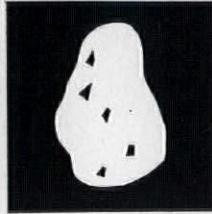
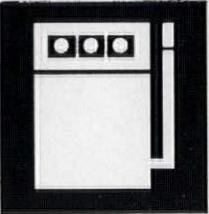
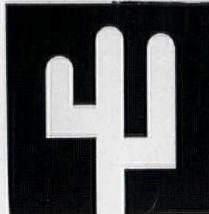
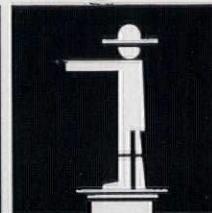
Shown here with James Elmore, FAIA, right, dean of ASU's architectural college, are, from left, Norman Bechtold, Tempe, recipient of the Alpha Rho Chi Medal; Alan Snapp, Phoenix, who won the American Institute of Architects Henry Adams Fund Award and School Medal; and Margareto (Mike) Enriquez, Tempe, who received the College of Architecture Faculty Commendation. Snapp, who spent last summer working on scholarship at Cwmbran, in Wales, designed the all-plastic model shown here—a three-dimensional diagram of the flow of vehicles and pedestrians in the town center of Cwmbran. He also is recipient of the Central Arizona chapter AIA award.

of the world. The joint AIA/Ford Foundation architectural scholarship program is designed to help not just minority youths but those who otherwise would not have an opportunity for a professional education. The amount of aid varies according to need and is renewable for five or six years, until the student gets his first architectural degree. Armando Garza III, whose parents live in a farm labor camp near Walla Walla, Washington, redesigned downtown Walla Walla as a high school project. The model he built is far more comprehensive and detailed than the normal high school work. Both Armando Garza and John Allen of Seattle, Washington will attend the University of Washington.

Josiah Hoohuli, a resident of one of Hawaii's most depressed areas, has spent hours of his own time designing a day-care center for the community. The final plan, based on his original drawings, includes the ideas of many of the community people, who felt the building should have symbolic representation of Hawaiian concepts. It also reflects Hoohuli's dedication to draw architectural designs from his own people and their needs. He will transfer from Leeward Community College to the University of Hawaii.

Congratulations, Young Architects! We Salute You!

symposia/around the region



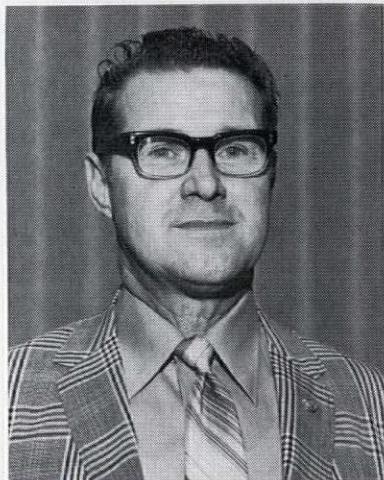
arizona

Carefree C.S.I.

Yes, indeed, those members of the Phoenix and Tucson Chapters of the Construction Specifications Institute were Carefree when they met for their Annual Mixer at the Carefree Inn in (where else?) Carefree, Arizona. It all began with a Cocktail Party at 6:30 p.m. on Friday, May 14th where everybody got acquainted and re-acquainted, and had the opportunity to meet the V.I.P.'s on hand . . . to-wit: Thomas W. Keeton, Jr., Western Section Director, John Kuremsky, Director/Region 11 and Robert Schmidt, Director/Region 10. Next morning at 9:05, Host Chapter President Bill Myers got the business meeting under way. There was a discussion of the resolutions presented at Anaheim, Director Kuremsky discussed the aims of the Long Range Planning Committee, and Bob Kuchen made a motion that the Phoenix and Tucson Chapters appoint a committee to study the feasibility of drawing up guidelines for an award for excellence in specifications by an Arizona architect to be awarded at the Annual Mixer.

There was an excellent presentation by Jesse Wyatt of the Portland Cement Association, illustrated by color slides, of the extent of the recent California earthquake. While their husbands were thus engaged, the CSI ladies enjoyed a tour of the elegant homes in Carefree with everybody getting together in the afternoon for the BIG Golf Tournament. John Dechant was in charge, and Symposia Board member, Dick Perrell names him "among the winners." He also included Ron Weller, Jim Lyon, Jim Murphy and Bob Dreese. Also Carl Bastain whose wife, "Wiggle" won the Ladies Golf Award. Sixty-five members and wives sat

down to dinner that evening in the Patio Room, and all agreed the Phoenix Chapter had done a great job on the 1971 Mixer. Tucson will take over the hosting responsibilities next year.



Huyge Installed

Louis H. Huyge was installed as the new President of the Arizona Society for Hospital Engineers at their Seventh Annual Meeting and Banquet held in Phoenix on May 7th. Mr. Huyge succeeds Donavan L. Rinker, Southern Arizona Mental Health Center, Tucson. Mr. H. is the Chief Engineer of the John C. Lincoln Hospital in Phoenix, and the second Lincoln Engineer to hold this post. He is a charter member of the Arizona Society and has also served as Secretary and Treasurer.

Huyge has been instrumental in programming and staying abreast of the vast advancement in the sophisticated equipment involved in hospital engineering. He is also a member of the Arizona Hospital Association and the American Society for Hospital Engineers.

Also installed at the Banquet were Robert L. Border, Treasurer. Bob is Chief of Plant Maintenance, St. Luke's

Medical Center, Phoenix . . . and this is his second time around in this job. The new Secretary-President Elect is Walter Weisenburger, Director of Plant Services at Maryvale Samaritan Hospital in Phoenix.

"Writers Luncheons"

Dick Perrell reports that the Phoenix Chapter/CSI will experiment with "Writer's Luncheons." This suggestion, Dick writes comes from Maynard Blumer and will be implemented soon. "The informal luncheon meeting will be for CSI Professional members to discuss specific problems they may have encountered. Although no firm schedule has been set, it is felt that to have spec writers meet at a time other than regular CSI meetings where time is always rather limited, and allow an exchange of ideas or 'problem areas' could aid all spec writers."

Dick also tells us that "First discussions have been held with the College of Architecture at ASU to have a professional Phoenix CSI member instruct next year's course in specifications to 4th and 5th year students. In the past, we have been invited to give three separate lectures on specs to the students and work to develop a criteria for the annual CSI \$300 prize in specifications. Apparently ASU is recognizing the expanding role of specifications in the educational concept. Final details are yet to be worked out but the Phoenix Chapter is encouraged."

colorado

"Achievement Through Unity"

With the theme "Achievement Through Unity" the Southwest Regional Council of the National Association of Housing and Redevelopment Officials met in Denver June 6th through June 8th. Some five hundred NAHRO members and guests from the eight state region participated in panel discussions and heard presentations from prominent speakers both from the Federal Government and national news media. Some of these gentlemen were Robert Maffin, NAHRO Executive Director; William Gill, ABC News, Washington, D. C.; Pat Daugherty, President of the Southwest Regional NAHRO. From HUD, there was Woodward Kingman, Deputy Assistant Secretary; Lester P. Condon, Assistant Secretary for Administration, and Robert C. Rosenheim, Regional Administrator, HUD, Region VIII. Conferees also heard Everett Spelman, President of the Mortgage Bankers

Association of America, Denver and Nat Keith, President of the National Housing Conference, Washington, D. C. Major topics for discussion included current housing and urban renewal legislation, the mortgage money outlook, new housing and urban development organization and the new Uniform Relocation Act.

Hosts for this important NAHRO conference were the Denver Housing Authority and the Denver Renewal Authority. Co-Chairmen of the Arrangements Committee were Bob Cameron of DURA and Tom Moss, DHA's Director of Administration.

Successful Candidates

Symposia has a handful of laurels for the successful architects who have passed their exams . . . to-wit: Ronald Birkey, Thelma Feldhamer, M. J. Mitchell and Ernest Pyle of Denver; Ray Crites (Right On, Ray), Harold G. Denver, Jerry Lower and Gary Hazen Taylor of Lakewood; Daniel Dixon of Kittredge; Ralph Santangelo of Wheat Ridge; Rivers Handley of Eldorado Springs and Ted A. Grossman, Jr. of Parker. You will remember Ted as the winner of the Fisher Traveling Scholarship not too long ago.

Royce V. Angell, Frank Dwyer, Gary

LaShell, Allen G. Pope and Paul D. Sanger are the successful candidates from Colorado Springs. It was a long haul, fellas, but you've made it! Happy Architecting!

new mexico

Chapter Appointments

President Dick Henderson of the Albuquerque Chapter/CSI is some kinda organized executive. His Committee Chairmen are not only all appointed, but were listed in NEW MEX SPEX complete with their telephone numbers . . . to advance communications, and make it possible for members to call regarding chapter affairs. We'll skip the Bell listings, but here are the gentlemen for the 1971-'72 year . . . Technical Committee: Gordon Bosl and Gerry Gasparich, Co-Chairmen; Membership: Jim Copeland; Awards: Glen Krauth; Arrangements and Telephone: Lloyd Sallee; Program Committee: John Boydston and Bill Sutton, Co-Chairmen; Finance: Don McNeil; Golf (and this one is most appropriate): Joe Long. The Publications Committee will be chaired by Jim Cushing, and he has FOUR reporters on his staff . . . Bob Uhl, Bob Mallory, Don Paxton and Stan Borthwick. Jim, who was Sym-

posia's first out-of-state Editorial Board Member, really believes the pen is mightier than the sword!

AGC Golf

The second annual member-guest golf tournament of the New Mexico Building Branch (AGC) was held Friday, June 18 at the Paradise Hills Country Club. Co-chairmen for the event were Morris Diefendorf of the Springer Corporation and Bill Brock, Houston Lumber Company, Santa Fe.

This tournament is open to all construction personnel whose firms are either active, associate or affiliate members of the AGC and invited guests include architects and consulting engineers. Co-Chairman Brock was the defending champion . . . he carded a 66 on the Paradise Hills course last year and also playing this year, Howard Williams of Lockwood-Modern Construction, Santa Fe, who finished second with a 69.

Sure wish we could tell you who picked up the Awards presented at the banquet in the evening, but we'll have to bow to the deadline and wait for our next communiqué from Dennis Roberts of the New Mexico Building Branch in Albuquerque.

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Anchors Aweigh!

The June meeting of the Portland Chapter/AIA was titled "Cruising Down the River on a Tuesday Afternoon" in their current newsletter "Architects and Architecture." The first boat left the quay wall of the Willamette River at 5:15 p.m., the second at 5:45. The waterbourne tour of the Port of Portland gave architects, wives and guests an opportunity to view the Port as it is today. There were light refreshments and/or coffee aboard provided by the Port of Portland and what Executive Secretary Jody Proppe calls "munchies" provided by the Program Committee. Following the cruise, everyone walked back to the AIA Offices in the Dekum Building for cocktails and a buffet dinner. Ed Westerdahl, Executive Director of the Port of Portland, presented the program—a look at the future plans for the Port. Certainly a delightful and informative way to spend an evening in June!

Speaking of the Portland Chapter, Symposia has at hand the photographs of their Chapter Awards and a Critique of same by good "old fella," Bob Wilmsen, President CEAYSE

(Call 'em As You See 'em) Department. Look for this in the August Symposia along with Special Award Winner . . . "The Visual Survey of Downtown Portland." Another plug for this fine book—a real addition to any planner or architect's library at \$8.00 (plus 50c for postage and handling). Just address . . . the Portland Chapter/AIA, 200 Dekum Building, Portland, Oregon 97204.

APPA Award

The American Public Power Association biennially makes awards for Utility Design, and Oregon architects, engineers and contractors have an Honorable Mention for the Panorama Point Vista House-Transmission Structure in Hood River County. Built by the Bonneville Power Administration and jointly sponsored by Hood River County the architects for the project were Stanton, Boles, Maguire and Church. The Structural Engineers were Rose and Breedlove Morse Brothers, Electrical Engineers—Grant, Kelley and Associates and the General Contractor—Mann Contractors. The Jury in its citation for Panorama Point said . . . "It succeeds in turning what was clearly an environmental deficit into a positive contribution."

utah

Joint Statement

The Utah Chapters of the American Institute of Architects and the Associated General Contractors have issued the following Joint Statement: "The Single Contract Method is a time-honored system widely used in the construction industry for providing quality construction while saving an Owner's time and money. Management of the single contract requires someone who will practice skill, integrity and responsibility. It continues to be the standard method employed in building construction. At this particular time, the two organizations have jointly reaffirmed their support of the system and wish to inform you of their position. The advantages of the Single Contract Method include:

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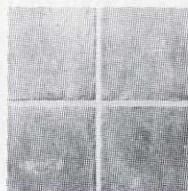
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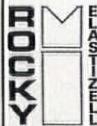


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6. Reduction in the number of law-suits or other claims which might encumber a building project.

Some Notable Firsts!

The Annual Meeting of the Consulting Engineers Council/Utah brought about some important "first time around" events for this group of energetic engineers. For instance, the engineer's ladies were not only present, but very much a part of the program. National Executive Director of CEC/US, Don Buzzell aptly nick-

named the Women's Auxiliary—he called it "LACE"—Ladies Auxiliary to Consulting Engineers. Their new officers were installed . . . Mrs. Ivan Haslam, President; Mrs. Rodney Preator, Vice President and Mrs. Hooper Knowlton, Jr., Secretary Treasurer.

For the first time in its' history, CEC/Utah voted to extend Life Memberships with all rights of members, waiving dues, to three retired and distinguished consulting engineers. Honored at the Annual meeting . . . Win Templeton, founding partner of Templeton, Linke and Alsup; George D. Clyde, former Utah Governor and

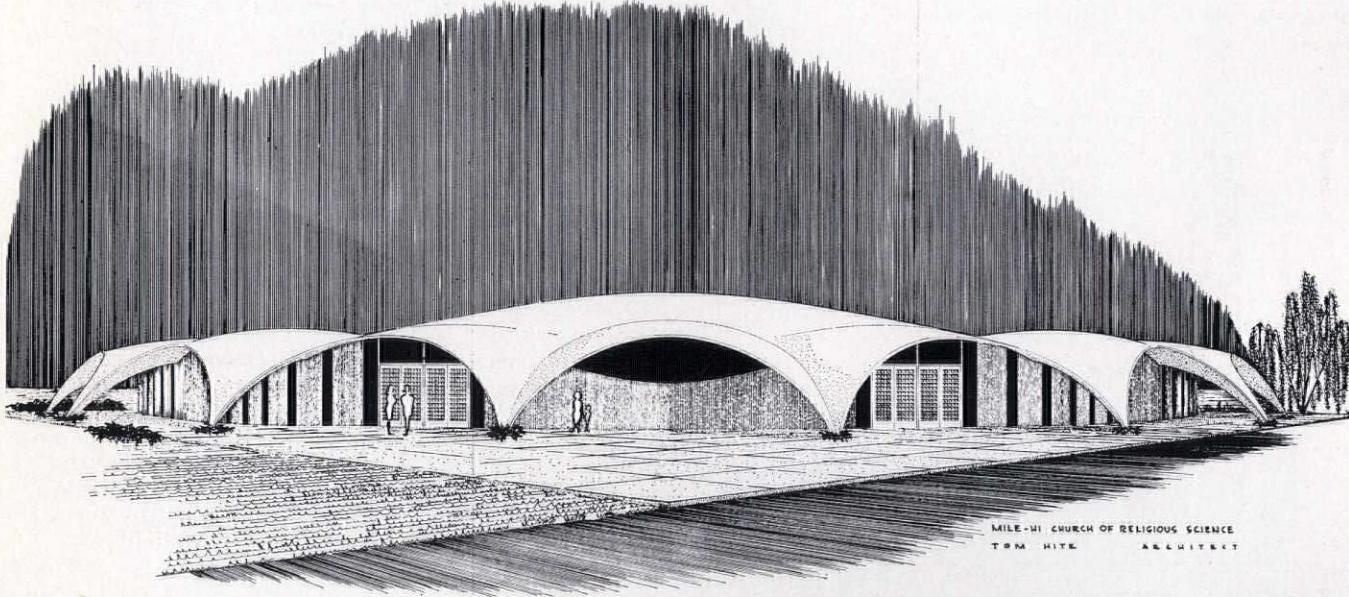
a partner in the firm of Woodward-Clyde and Associates and Ernest O. Larson, long time associate of Louis Berger, Inc.

Not only a first for Utah—but a first in the country . . . the organization of a Student Chapter of CEC/Utah at the University of Utah with plans projected for Chapters at Weber State, USU and BYU. Credit George Poulsen and Albert Richards for spearheading this fine effort. So students were also included in the Annual meeting in 1971 . . . Kenneth Wilde, UU Senior, is President of the Chapter there and also honored at the meeting . . . CEC/Utah Scholarship winner, Roger Billings of BYU.

architecture/engineering/construction

MILE HI CHURCH OF RELIGIOUS SCIENCE

LAKWOOD, COLORADO



The very unusual oval concrete dome supported by thrust columns on pads will form the roof of the new Mile Hi Church of Religious Science in Lakewood, Colorado. Architect Tom Hite explains that the unique construction method used will be the mounding of dirt into the desired shape, pouring concrete onto it—which will need very little reinforcement precisely because of the shape—and then digging away the dirt. The enclosed space of 16,000 square feet, resting on a pedestal beneath the dome, will have no bearing walls. Ceiling-to-floor partitions will delineate the football shaped central sanctuary surrounded by classrooms, offices and meeting rooms. The lobby will double as an all-purpose room and have an adjacent

kitchen. The ceiling height at the center of the sanctuary will be 27 feet high and cove lighting will illuminate the white ceiling which slopes downward.

The exterior curtainwall will have a sprayed-on waterproofing surface and fixed glass will admit daylight. The building will have dual duct forced air heating and air conditioning. The blacktopped parking area will accommodate 375 cars.

Consultants for the \$250,000.00 Church facility are Ketchum, Konkel, Barrett, Nickel, Austin of Denver, structural engineers; Ruppert Fuchs, Evergreen, mechanical engineers and Acme Electric of Denver is handling electrical functions.

Operation: Bootstraps

Although no caps and gowns were in evidence, and beribboned sheepskins were absent—it was a Commencement Exercise all the same . . . a luncheon/ceremony held May 14th at the Showcase Restaurant in Denver. The caps and gowns were not even missed—they were happily replaced with thirty-one smiling faces on the young men who were awarded Certificates of Completion from the Colorado Laborers and Contractors Education and Training program.

The very personable Joe H. Bergheim (Wilkins Company, Boulder) President of the Associated Building Contractors of Colorado, Inc. filled a dual role. He delivered what he lightly termed a "Commencement Address"—succinct and sage comments on the training program itself, the fine co-operation between labor and management and underlining the importance of three words to the young men present . . . Skill . . . Work . . . Pride. He then presented the certificates to the men who during their five weeks



Flanked by Labor training students is Robert M. Adelstein, Northwest Engineering Company—member of the Colorado Contractors Association, Inc.

of institutional training received instruction in mason and plasterer tending, pipe laying, blueprint reading, first aid, form setting, sand blasting, the use of hand tools, signaling and material handling and small machine operation.

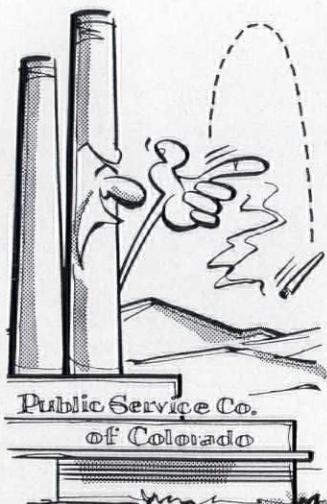
Those who earned the Certificates of Completion are members of one of the minority groups, or from another of the disadvantaged areas of society who through this program are being prepared to accept responsible jobs in the state's labor force.

Phil Kniss, President of the Colorado Laborers' District Council, also present at the luncheon, explained that the five weeks of institutional training was provided by four instructors and a counselor at the Colorado Laborers and Contractors Training School, 1155 West 5th Avenue in Denver. Following the presentation of Completion Certificates, the thirty-one trainees met with representatives of the thirteen local contractors who agreed to hire and further train the graduates in building construction and highway, heavy and utility construction. These firms are Colorado Constructors, Inc., Flatiron Paving Company, Lembke Construction Company, H. E. Lowdermilk Company, Mead and Mount Construction Company, Minnesota Contractors, Inc., Northwestern Engineering Company, Olson Construction Company, F. R. Orr Construction Company, N. G. Petry Company, Gerald H. Phipps, Inc., and Weaver Construction Company. The trainees reported for the second phase of the program on Monday,

May 17th when they began the final sixteen weeks of on-the-job training. This total program is under a National Alliance of Businessmen's Job-70 contract funded by the Department of Labor's Manpower Administration. A great deal of financial assistance has also been given by the Construction Advancement Program (CAP) including some \$4,000.00 recently donated toward the purchase of a fork lift. The CAP program is administered by the ABC for improving the construction industry in Colorado for employees, employers and all other phases of the Industry.

The thirteen local contractors who have hired and are training the graduates are either members of the Associated Building Contractors of Colorado (Building Branch) or the Colorado Contractors Association (Highway, Heavy and Utility Chapter) of the Associated General Contractors. A one-day briefing session was given seasoned employees of these firms by Frank Gallegos, representative of the AFL-CIO Human Resources Development Institute. These men act as "buddies" for the trainees at the job site.

Both the ABC and CCA are deeply committed to this training program, and to working in full cooperation with the Colorado Laborers Council to make this a continuing program. We term it "Operation Bootstraps"—an opportunity to bring young men to a better and more rewarding way of life in the Construction Field. And our hats are off to the organizations of fine people who are making this possible!



It's tough to quit smoking, but if determination and willingness means anything, our stacks will kick the habit for good.



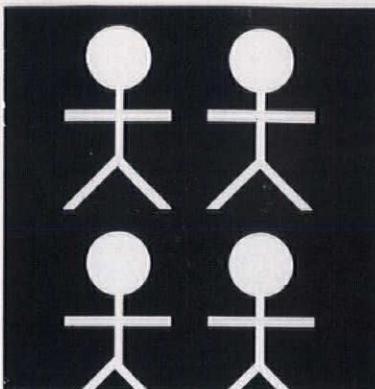
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UP UP With People!

(A brief report honoring Professional and Industry members in our Symposia Region who have achieved some of the "good things in life" in the past few weeks.)

UP WITH HEIMERICH

On the evening of June 14th, the Albuquerque Chapter of the American Institute of Architects gathered to honor John Heimerich, AIA, who has just retired as their Treasurer—a post he has held since the Chapter was formed in 1965. Prior to that John Heimerich had been Treasurer in the old New Mexico Chapter from 1956. Certainly, appreciation is in order to a man who has devoted so many years to an exacting, time consuming and often unnoticed service. Joe Boehning, immediate past-president of the New Mexico Society, and Symposia Board member in writing us about John Heimerich says . . . "John will retire as a professor in the Department of Architecture at the University of New Mexico at the end of the 1972 school year. He came to UNM in 1947 where he initiated the Department of Architectural Engineering and served as Department Chairman. He was instrumental in forming the Department of Architecture in 1957, and served as Department Chairman until he relinquished the chair in 1966 to devote his full time to teaching."



"Both as a teacher and an AIA member, John has been a dedicated and faithful servant of the profession of architecture, and he will continue to be so in the future."

We agree with Joe—with his AIA colleagues in New Mexico, and say whole-heartedly — UP WITH HEIMERICH !

UP WITH HEDSTROM

We were pleased to note that Edwin G. Hedstrom has been installed as President of the Rocky Mountain Chapter of the American Concrete Institute. Other officers installed at the Chapter's annual meeting held March 31 are: Jim Hastings of Anderson and Hastings, Consulting Engineers, as First Vice President; Dr. James Chinn of the Civil Engineering Department at C.U., Secretary-Treasurer, and Roger R. Joseph to a three-year term on the Board of Directors.

Ed is manager of special products for the Ideal Cement Company, and well known throughout the construction industry.

Best wishes for a most successful term, President Ed.

UP WITH GROSSMAN

It is certainly "Hat's Off" to Theodor A. "Tag" Grossman, Jr., the young Denver architect who has recently received one of twenty national citations for outstanding achievement in residential design. "Tag's" very own home in Parker, Colorado has been cited along with nineteen other award winners around the country in "Record Houses of 1971"—the special mid-May issue of "Architectural Record."

Many Colorado architects will remember "Tag" as an outstanding graduate of Colorado University, a winner of the Fisher Traveling Scholarship Award, and the 1971 featured speaker at the C.U./A.I.A. Awards Banquet. He is a principal in the firm of "the TAG associates, architects" located at 555 17th Street in Denver.

UP WITH HOLLAND

Let us take this opportunity to introduce you to John D. Holland in a new role. Formerly with the Portland Cement Association, John is the first executive director of the Colorado Ready Mixed Concrete Promotional Association organized to encourage owners, engineers, architects and contractors to utilize Site Cast Concrete Systems. The first president of the new Association is Robert W. Gibson of Flatiron Premier Concrete Company in Boulder.

John Holland comes to Colorado from the friendly side of the Mason-Dixon line, a graduate of North Carolina State University, and worked in both Opelika, Alabama and Peachtree City, Georgia before joining PCA as a field engineer in the mid-south Region.

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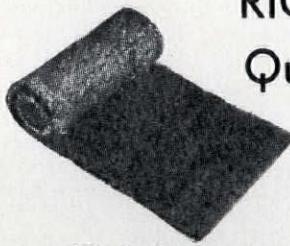
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the
last
word:

Some Symposia Laurels are in order for Herb Schneider, President of the Central Arizona Chapter/AIA for his fine column in the 30 May Arizona Republic titled "AIA suggests review of Phoenix City Plan." Also laurels are in order to the Republic for giving the architects the opportunity to "speak up" on the subject!

Elected! By the Pikes Peak Chapter/CSI . . . a team to aid and abet Prexy Howard Dutzi! Vice President is John TenEyck, Secretary is Ralph Fowler, Treasurer: Brand Bent and the new Board Member is Gil Johnson.

Northwest Regional Conference—
October 6-9, 1971 at the Hanford
House in Richland, Washington. The
Chairman is Art Carson, A.I.A. of
Kennewick. More on this to come.

Guess who is in "Who's Who in America?" None other than our own Contributing Editor on Urban Affairs, that ole Red-Head—Ronn Ginn. Yep, he's been selected for admission to the new 37th Biennial Edition. Laurels, Ronn!

Bob Campbell has been appointed Chairman of the New Mexico State AIA Convention to be hosted by Albuquerque this coming October.

Wally Welch is the chairman of the 1971 Central Arizona Chapter Honor Awards Program . . . no firm dates on this as yet but it will be held this upcoming autumn.

Topped Out! The first skyscraper in Denver's Skyline Renewal Project —Prudential Plaza was officially topped out on June 8. All construction will be enclosed by July 1 . . . and the 25 story office complex will be ready for occupancy by October. This Del Webb project is right on target!

Four New Mexico Contractors have been named to national AGC Committees —they are Stan Borthwick, William A. Jourdan, T. C. Styron and Charles H. Lembke. Mr. Lembke, of course, is national AGC Treasurer this year.

Jay P. Moore, native Coloradoan and a B.S., M.S. graduate of the University of Denver has joined the Kunz Construction Company as staff structural engineer.

The second in the series of Industrial Tours being sponsored by the Willamette Valley Chapter/CSI took place on June 3 when members and other interested persons visited Harvey and Price Sheet Metal . . . all plant equipment was in full operation.

Some of us still remember Cedric Foster, long a news commentator for the Mutual Network. Mr. Foster was the fine speaker at the June 16th meeting of Wood, Inc. His topic was "The World Today," and he received a standing ovation from Wood, Inc. members and guests!

Alfred Newman Beadle, AIA, of Phoenix has been cited for his design of the Gary Driggs residence for Excellence in Steel by the American Iron and Steel Institute. Congrats, Mr. B.

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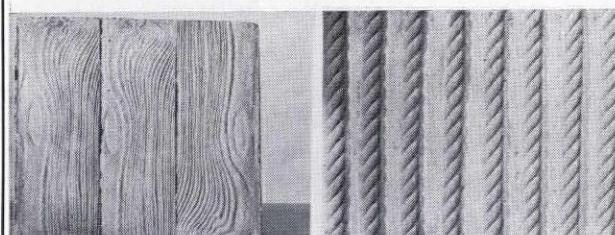
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See "Building Blocks"—Page 8

Allen L. Keesen, AILA, is now President of A. Keesen and Sons, Inc. the Denver landscape construction firm. He succeeds his father, Raymond Keesen, prexy since 1952. They have a new \$500,000 facility at 2000 South Quebec, and Allen is just back from Hawaii where he spoke to the AILA Seminar. All kinds of goodies!

Good Idea! Each month, the Willamette Valley Chapter/CSI includes in "Documentor"—their most informative newsletter—a feature titled "Members You Should Know." What a great way to meet the membership!

The Arizona State Board of Technical Registration has announced the appointment of Edward G. Drewry, registered Mechanical Engineer as Executive Director. He replaces Walter J. Edelblut, Jr. a member of the Central Arizona Chapter/AIA.

Jerry Claussen, former consultant for the National Golf Foundation, has joined Phelps-Brauer & Associates, Lakewood, Colorado/Golf Course architects and site planners. Mr. C. will serve as a special consultant on design, feasibility and golf club management problems.

Dr. Heartsill Wilson . . . that "Dynamic Voice of American Industry" was the principal speaker at the General Meeting of the Metropolitan Denver Home Builders Association held June One at the Albany.

symposia/about the cover

It was our original intent to use this picture of the College of Architecture on the Tucson campus of the University of Arizona with our Symposia Salute to their recently retired Dean, Sidney W. Little, FAIA. However, it did seem a great pity to reduce this beautiful and dramatic night picture of the handsome entry to "pint-size"—therefore it simply became a question of what month we would decide to use it on the cover. The fine photograph is the work of Robert Swain, architectural student at Arizona University. July seemed a most appropriate time since this month we salute many of these young men and women at various Architectural schools within our region who have received honors, awards and scholarships. Our appreciation, of course, to our dear Sid and to young Mr. Swain for such an attractive beginning to our July issue.

wide lens

a national view

OFFICE PRACTICE COMMITTEE

Report: Robert Fehlberg, AIA

The topic that dominated most of the discussion at the Administrative Office Practice Committee meeting held in Washington, D. C. May 20, 21 was how can the AIA best serve the small architectural firms that comprise 83 per cent of the firms in AIA.

In a review of materials available at AIA Headquarters, the Committee reaffirmed the feeling that most documents, books and material on hand, or being prepared, are oriented toward general practice—as much value to the small offices as the larger firm. However, a concentrated effort was recommended to bring those materials to the attention of the firms that have one or two principals and a staff of under five technical employees. Also new material now being written will have special emphasis placed on how it can assist the small practitioner.

CODES AND REGULATIONS

Report: Murvan Maxwell, FAIA

Appointed as director of the American Institute of Architects new Codes and Regulations Center—James R. Dowling of Chicago, Illinois. Mr. Dowling was formerly a technical manager and building code consultant for the U. S. Gypsum Company of Chicago where he was in charge of the architect service department and supervised the production of all technical literature. He is in charge of developing the new AIA Codes center as a clearing-house for information, which also will promote architects' involvement in effecting changes in codes and regulations to assist in improving the man-made environment. Advisory Board for the Center includes Jasper Hawkins, AIA, of Los Angeles as Chairman; Murvan Maxwell, FAIA, New Orleans; William Tabler, FAIA, New York City and as Consulting Member—Charles J. Betts, FAIA, of Indianapolis.

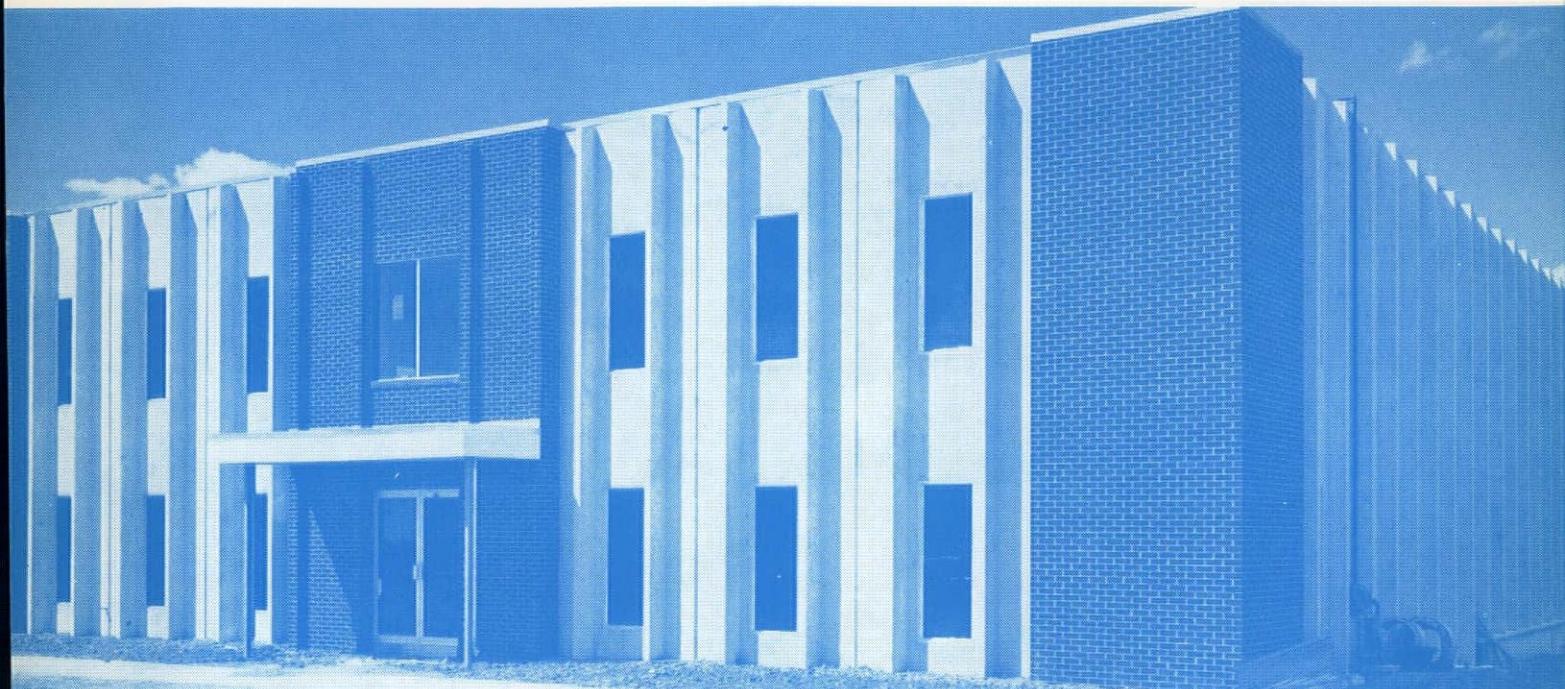


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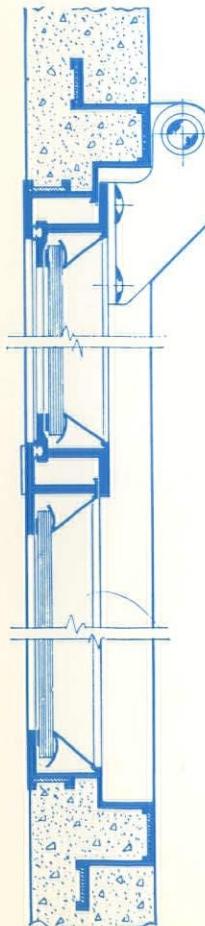
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